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Water Resources Data for Pennsylvania

Water Year 1975

Volume 1. Delaware River Basin

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT PA-75-1

Prepared in cooperation with the Pennsylvania Department of Environmental Resources, the Philadelphia Water Department and with other State, municipal and Federal agencies

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Preface

This report was prepared by the U.S. Geological Survey in cooperation with the State of Pennsylvania and with other agencies by personnel of the Pennsylvania district of the Water Resources Division under the supervision of N. H. Beamer, District Chief, and J. T. Callahan, Regional Hydrologist, Northeastern Region.

This report is one of a series issued State by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G.W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for Pennsylvania are in three volumes as follows:

Volume 1. Delaware River Basin
Volume 2. Susquehanna and Potomac River Basins
Volume 3. Ohio River and St. Lawrence River Basins

IV

UNITED STATES DEPARTMENT OF THE INTERIOR

THOMAS S. KLEPPE, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

Prepared in cooperation with

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Pennsylvania Department of Transportation
Delaware River Basin Commission
Chester County Water Resources Authority
City of Easton
City of Philadelphia
Delaware Geological Survey
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INTRODUCTION

Water resources data for the 1975 water year for Pennsylvania consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water-levels and water quality of wells and springs. This report contains discharge records for 76 gaging stations; stage and contents for 10 lakes and reservoirs; water quality for 55 gaging stations and 56 partial-record flow stations; and water levels for 16 observation wells. Also included are data for 40 crest-stage partial-record stations and 37 low-flow partial-record stations. A few pertinent stations (not included above) in bordering States are also included in this report. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These datarepresent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Pennsylvania.

Records of discharge (or stage) of streams, and contents (or stage) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States". Through water year 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States". Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, Ground-Water Levels in the United States".

Beginning with the 1961 water year and continuing through water year 1974, streamflow data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water data since the 1971 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports provided rapid release of preliminary water data shortly after the end of the water year. The final data were then released in the water-supply paper series mentioned above. Beginning with the 1975 water year, water data will be released on a State-boundary basis in final form and will not be republished in the water-supply paper series. The 1975 and subsequent water year reports will be in a series which will carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report PA-75-1." These reports are for sale to the public for a nominal fee from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22151. For more information on publications available, see "PUBLICATIONS" on a subsequent page.

COOPERATION

The U.S. Geological Survey and organizations of the Commonwealth of Pennsylvania have had cooperative agreements for the systematic collection of surface-water records during the periods 1919-21 and 1931 to date, water-quality records from 1944 to date, and ground-water records from 1925 to date. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

State Department of Environmental Resources, M. K. Goddard, secretary, through the following: Office of Resources Management, C.H. McConnell, deputy secretary; Office of Environmental Protection and Regulation, W. E. Gilbertson, deputy secretary; Bureau of Topographic and Geologic Survey, A. A. Socolow, director.

State Department of Transportation, J.G. Kassab, secretary, through the Bureau of Materials Testing and Research, L. D. Sandvig, director.

Delaware River Basin Commission, J. F. Wright, executive director.

Chester County Water Resources Authority, D. C. Yaeck, executive director.

City of Easton, F. L. Ashton, Jr., mayor.

City of Philadelphia, Water Department, C.F. Guarino, water commissioner.

Delaware Geological Survey, R. R. Jordan, state geologist.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for 45 gaging stations published in this report. Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce, and the U.S. Environmental Protection Agency.

The following organizations aided in collecting records:

Palmer Water Co.; Pennsylvania Power and Light Co.; Philadelphia Electric Co.; and Philadelphia Suburban Water Co.

DEFINITION OF TERMS

Terms related to streamflow and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System of units (SI) on page 32.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons, or 1,234 cubic meters.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5 ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Bed material is the shifting portion of fragmented alluvial material of which the streambed is composed.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

Ash weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic metre), and periphyton and benthic organisms in g/m^2 (grams per square metre).

Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same units as ash weights.

Organic weight or volatile weight of the living substance is the difference between the dry weight and the ash weight, and represents the actual weight of the living matter. The organic weight is expressed in the same units as for ash and dry weights.

Wet weight is the weight of living matter plus contained water.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons or 2,445 cubic metres. It represents a runoff of approximately 0.0372 inch from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 millilitres is determined by the immediate incubation membrane filter method.

Continuing record station is a specified site which meets one or all conditions listed: (1) When chemical samples are collected daily or monthly for 10 or more months during the water year. (2) When water temperature records include observations taken once or more times daily. (3) When sediment discharge records include those periods for which sediment loads are computed and are considered to be representative of the runoff for the water year.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (CFS, cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute, or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometre membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

Diversity index is a numerical rating of the variety of the aquatic organisms. The greater the number of different types of organisms, the greater the diversity. The formula for diversity index is

$$d = -\sum \frac{ni}{n} \log 2 \frac{ni}{n},$$

where ni is the number of individuals per taxon, and n is the total number of individuals.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or body of impounded surface water together with all tributary surface stream and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage", although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Land surface datum (lsd) is a precise datum plane that is approximately at land surface at each ground-water observation well.

Mean sea level (msl) is the datum plane on which the national network of precise levels is based

Measuring point (MP) is a permanent point from which the distance to the water surface in a well is measured to obtain the water level.

Micrograms per litre (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (litre) of water. One thousand micrograms per litre is equivalent to one milligram per litre.

Milligrams per litre (MG/L, mg/l) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in Table 1. Concentration of suspended sediment also is expressed in mg/l, and is based on the weight of sediment per litre of water-sediment mixture. Sediment concentrations are converted to parts per million by using the factors in Table 2, page 9.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per litre to milliequivalents per litre

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*	0.11119	Iodide (I^{-1})	0.00788
Ammonia as NH_4^{+1}	.05544	Iron (Fe^{+3})*	.05372
Barium (Ba^{+2})	.01456	Lead (Pb^{+2})*	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*	.14411
Bromide (Br^{-1})	.01251	Magnesium (Mg^{+2})	.08226
Calcium (Ca^{+2})	.04990	Manganese (Mn^{+2})*	.03640
Carbonate (CO_3^{-2})	.03333	Nickel (Ni^{+2})*	.03406
Chloride (Cl^{-1})	.02821	Nitrate (NO_3^{-1})	.01613
Chromium (Cr^{+6})*	.11539	Nitrite (NO_2^{-1})	.02174
Cobalt (Co^{+2})*	.03394	Phosphate (PO_4^{-3})	.03159
Copper (Cu^{+2})*	.03148	Potassium (K^{+1})	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1})	.04350
Fluoride (F^{-1})	.05264	Strontium (Sr^{+2})*	.02283
Hydrogen (H^{+1})	.99209	Sulfate (SO_4^{-2})	.02082
Hydroxide (OH^{-1})	.05880	Zinc (Zn^{+2})*	.03060

*Constituent reported in micrograms per litre; multiply by factor and divide results by 1,000.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multi-celled and are counted according to the number of contained cells per sample volume, usually millilitres (ml) or litres (l).

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square metres (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually millilitres (ml) or litres (l). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimetres (mm), of suspended sediment or bed material determined either by sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis (Guy, 1969).

Table 2.--Factors for conversion of sediment concentration in milligrams per litre to part per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by	Range of concentration in 1000 mg/l	Divide by
0 - 8	1.00	266 - 280	1.17	540 - 554	1.34
8.05 - 24	1.01	282 - 297	1.18	556 - 570	1.35
24.2 - 40	1.02	299 - 313	1.19	572 - 585	1.36
40.5 - 56	1.03	315 - 329	1.20	587 - 602	1.37
56.5 - 72	1.04	331 - 345	1.21	604 - 617	1.38
72.5 - 88	1.05	347 - 361	1.22	619 - 634	1.39
88.5 - 104	1.06	363 - 378	1.23	636 - 650	1.40
105 - 120	1.07	380 - 393	1.24	652 - 666	1.41
121 - 136	1.08	395 - 409	1.25	668 - 682	1.42
137 - 152	1.09	411 - 424	1.26	684 - 698	1.43
153 - 169	1.10	427 - 440	1.27	700 - 715	1.44
170 - 185	1.11	443 - 457	1.28	717 - 730	1.45
186 - 200	1.12	460 - 473	1.29	732 - 747	1.46
201 - 217	1.13	476 - 489	1.30	749 - 762	1.47
218 - 232	1.14	492 - 506	1.31	765 - 780	1.48
234 - 248	1.15	508 - 522	1.32	782 - 796	1.49
250 - 264	1.16	524 - 538	1.33	798 - 810	1.50

*Based on water density of 1.000 g/ml and a specific gravity of sediment of 2.65.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton is a useful indicator of water quality.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides includes insecticides, miticides, fungicides, herbicides, and rodenticides. Since the first application of DDT as an insecticide in the early 1930's, there have been almost 60,000 pesticide formulations registered, each containing at least one of the approximately 800 different basic pesticide compounds (Goerlitz and Brown, 1972, p. 24). The United States annualy produces about 1 billion pounds of these compounds. Although efforts are being made to substitute many of the chlorinated hydrocarbon pesticides with more specific, fast-acting, and easily degradable compounds, chlorinated hydrocarbon pesticides are still commonly used in many areas of the country.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per millilitre (cells/ml) of sample.

Green-algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per 100 ml of sample.

Plankton is the floating (or weakly swimming) animal or plant life in a body of water consisting chiefly of minute plants (as diatoms and blue-green algae) and of minute animals (as protozoans, entomostracans, and various larvae).

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Total sediment discharge or total sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/l).

Sediment trend curve or double mass curve as used in this report is a plot of the cumulative sediment discharge against cumulative water discharge for the period of record. A straight line relation is indicative of a constancy in proportionality between the two variables. A change in the slope of the relation is indicative of a change of proportionality of the variables. Because water discharge is considered the independent variable, an increase in slope from the previous slope indicates an increase in sediment discharge while a decrease in slope indicates a decrease in sediment discharge.

Suspended-sediment concentration-duration table is a cumulative frequency table that shows the percentage of time that specified suspended sediment concentrations are equalled or exceeded.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos per cm at 25°C). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff". Streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The use of artificial substrates simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collections, and plexiglass strips for periphyton collection.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular may fly, *Hexagenia limbata*, is the following:

Kingdom .....Animal
Phylum.....Arthropoda
Class .....Insecta
Order.....Ephemeroptera
Family .....Ephemeridae
Genus.....*Hexagenia*
Species.....*Hexagenia limbata*

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of the thermograph or a digital mechanism that automatically records water temperature on paper tape.

Time-weighted-average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per litre by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

Total (as used in tables of chemical analyses) refers to the amount of a substance that is present both in solution and in suspension. Analyses are performed on representative samples of water-suspended sediment mixtures.

Weighted-average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir. See also table for converting English Units to International Units (SI) on page 33.

WRD is used as an abbreviation for "Water Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-to-year basis and (2) to detect and assess long-term changes in stream quality.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected monthly or twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Radioisotopes are isotope forms of an element that exhibit radio-activity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having atomic weight about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

Radioisotopes that are determined in this program are natural uranium in ug/l (micrograms per litre), radium as radium-226 in PC/L, (pCi/l, picocuries per litre), gross beta radiation as equivalent strontium/yttrium-90 or cesium-137 in PC/L, and gross alpha radiation as micrograms of uranium equivalent per litre (Ug/l). Gross alpha and beta radioactivity associated with the fine grained (silt and clay sized sediments in the samples are also determined.

A picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{-10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 01474500, which appears just to the left of the station name includes the 2-digit part number "01" plus the 6-digit downstream order number "474500". In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 1 (North Atlantic Slope basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

Downstream order station numbers are not assigned to sites where only random water-quality samples are taken. These sites are classified as water-quality miscellaneous sites and as a means of location and identification a 15-digit number consisting of the latitude and longitude coordinates to the nearest second for each site plus a 2-digit sequential number as assigned. For example, the station number for a water-quality miscellaneous site with lat 42°28'47", long 071°41'04", would be 422847071410401.

NUMBERING SYSTEM FOR WELLS

Ground-water wells are listed alphabetically by counties in this report. Each well in Pennsylvania carries dual-identification numbers. The first system is by a county name with a sequential number of the well, that is, number one is the first well in that county for which records were obtained. The second system is based on the latitude and longitude of the well. An additional identification of the well in this system is given following the seconds of longitude. Each well within the boundary of a particular second of latitude and longitude is numbered by hundredths of a unit, with the first established well numbered as "01".

SURFACE-WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a non-recording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tablulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the back cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE". In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum daily discharge (or minimum contents) are given under "EXTREMES". In the first paragraph headed "Current year", the data given are for the complete current water year unless othrwise specified. In the second paragraph under "EXTREMES" headed "Period of record": the data given are for the period of record given in "PERIOD OF RECORD" paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES". Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, and to conditions that affect the natural flow at the gaging station is given under "REMARKS"; for reservoir stations, information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS".

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published.

Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only, are usually not published in the annual series of reports.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE". Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents.

Data collected at partial-record stations and miscellaneous sites are given in tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Pennsylvania for the period October 1960 to September 1965 are in Water-Supply Papers 1902, 1903, 1907, and 1912.

Three series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950, the second series covers the period October 1950 to September 1960, and the third series covers the period October 1960 to September 1965. These reports contain summaries of monthly and annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Pennsylvania are compiled in Water-Supply Papers 1302 and 1305 through September 1950, in 1722 and 1725 for October 1950 to September 1960, and in 1902, 1903, and 1907 for October 1960 to September 1965.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

WATER-QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemcial constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, within the format for streamflow gaging stations.

Water-quality information is presented for chemical quality, biological, microbiological, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium-adsorption-ratio, special conductance, and pH. The biological information includes qualitative and quantitative analyses of plankton, bottom organisms, and particulate inorganic and amorphous matter present. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous-temperature recorder furnished information from which daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations, and for particle-size distribution of suspended sediment and bed material.

Prior to the 1968 water year, data for chemical constituents and concentration of supended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per litre (mg/l), and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 3 on page 23.

In October 1968 the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definition of Terms," p. 2).

Table 3.—Degrees Celsius (°C) to degrees Fahrenheit (°F)*
Temperature reported to nearest 0.5°C

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F -32) or °F = 9/5 (°C +32).

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken at about the same time each day when sample is collected. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman. The method for determining elemental constituents by emission spectrographic techniques is described by Barnett and Mallory. Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar, Lamar, Goerlitz, and Law, and Goerlitz and Brown. The collection and analysis of aquatic, biological and microbiological samples are described by Slack and others.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between the reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determinations of carbonate and bicarbonate in the laboratory.

For chemical quality stations equipped with continuous digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured, and are based upon 15-minute punches beginning at 0015 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office of the U.S. Geological Survey at the address given on the back of the title page of this report.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the sub-divided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the sub-divided day method. For periods when no samples are collected, daily loads of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

WATER-SUPPLY PAPERS

The annual series of water-supply papers that give information on quality of surface waters in Pennsylvania are shown in the following table. Data for the North Atlantic Slope basins are given in part 1, and for the Ohio River basin, in part 3.

Table 4.--Water-supply paper numbers and parts, water years 1944-70

Year	Parts 1-4	Year	Parts 1-2	Parts 3-4	Part 1	Part 2	Part 3
1944	A1022	1959	1641	1642	----	----	----
1945	A1030	1960	1741	1742	----	----	----
1946	A1050	1961	1881	1882	----	----	----
1947	A1102	1962	1941	1942	----	----	----
1948	B1132	1963	1947	1948	----	----	----
1949	B1162	1964	1954	1955	----	----	----
1950	1186	1965	1961	1962	----	----	----
1951	1197	1966	1991	1992	----	----	----
1952	1250	1967	2011	2012	----	----	----
1953	1290	1968	----	----	2091	C2092	C2093
1954	1350	1969	----	----	C2141	C2142	C2143
1955	1400	1970	----	----	C2151	C2152	C2153
1956	1450						
1957	1520						
1958	1571						

A Parts 1-14; B Parts 1-6; C In press.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Measurements are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Publications

Publication of ground-water level data for the United States in Water-Supply Papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single Water-Supply Paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). From 1940 through 1974, separate Water-Supply Papers were issued for 6 sections of the United States. Water-level data for Pennsylvania are in the Water-Supply Papers listed below, each report containing one or more calendar years (January-December) of data. Data in this report are for the 12-month water year ending September 30.

Calendar year	WSP No.	Calendar year	WSP No.	Calendar year	WSP No.	Calendar year	WSP No.
1935	777	1942	944	1949	1156	1956-57	1537
1936	817	1943	986	1950	1165	1958-62	1782
1937	840	1944	1016	1951	1191	1963-67	1977
1938	845	1945	1023	1952	1221	1968-72	2140
1939	886	1946	1071	1953	1265		
1940	906	1947	1096	1954	1321		
1941	936	1948	1126	1955	1404		

Information about reports and other data on ground water in Pennsylvania may be obtained from the district office, at the address given on the back of the title page.

HYDROLOGIC CONDITIONS

Runoff for the 1975 water year was above average, continuing the trend begun in 1971. At the two index stations used for the Delaware River basin, Bush Kill at Shoemakers and Schuylkill River at Pottstown, runoff was 135 percent and 149 percent respectively, of the 1941-70 median.

Bush Kill at Shoemakers was above median for every month except April with the mean discharge, the eleventh highest of record, 126 percent of the average for the period 1908-74. Schuylkill River at Pottstown was above median for every month except November with the mean discharge, the seventh highest of record, 138 percent of the average for the period 1926-74. Yearly mean discharge at both stations was higher than that of 1974 but lower than that of 1972 and 1973.

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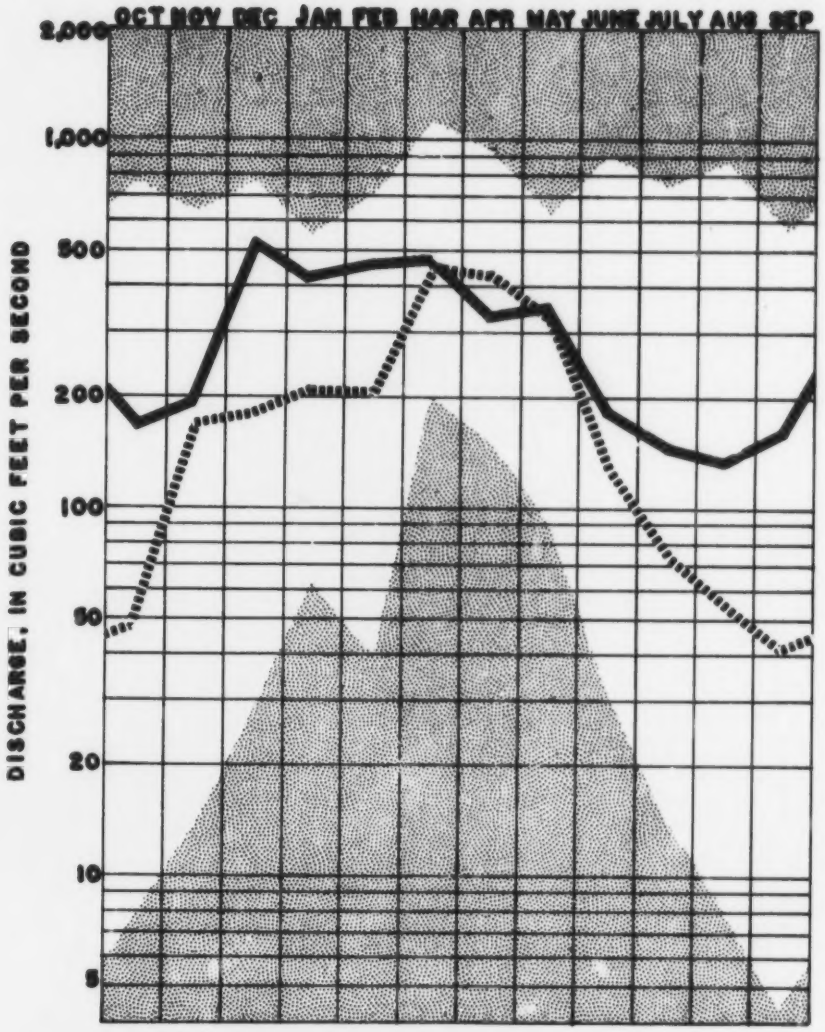


01439500 BUSH KILL AT SHOEMAKERS, PA.

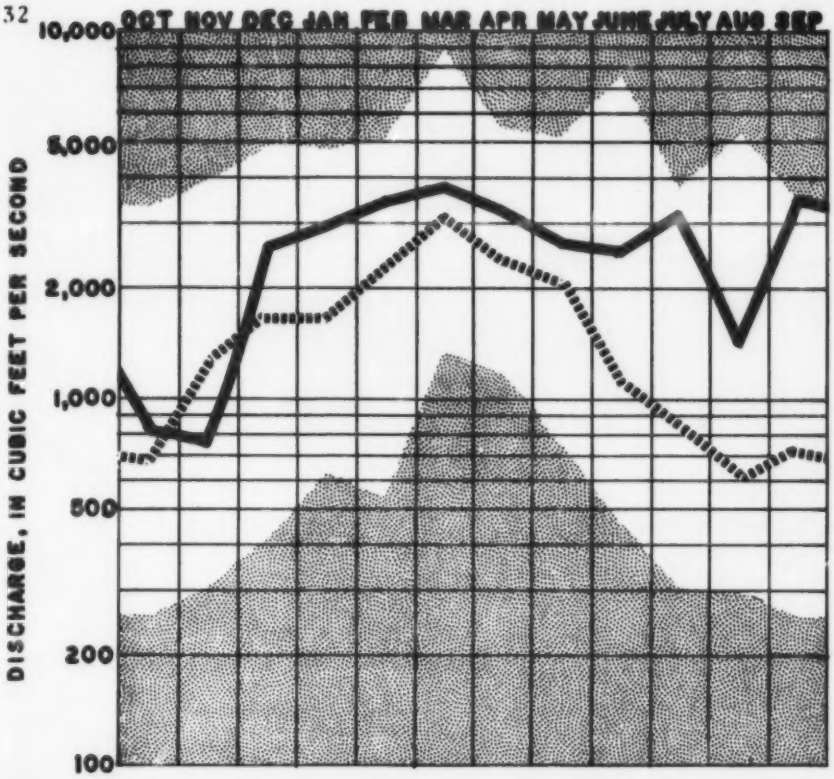
67 years of record, 1908-75

Unshaded area.--Indicates range between highest and lowest mean recorded for the months prior to 1975 water year.

Broken line.--Indicates normal (median of the monthly mean) for the standard reference period 1941-70.

Solid line.--Indicates observed monthly mean flow for the 1975 water year.

Figure 1.--Comparison of discharge during 1975 water year with median discharge for period 1941-70.



01472000 SCHUYLKILL RIVER AT POTTSTOWN, PA.

49 years of record, 1926-75

Unshaded area.--Indicates range between highest and lowest mean recorded for the months prior to 1975 water year.

Broken line.--Indicates normal (median of the monthly means) for the standard reference period 1941-70.

Solid line.--Indicates observed monthly mean flow for the 1975 water year.

Figure 2.--Comparison of discharge during 1975 water year with median discharge for period 1941-70.

Table 5.--Factors for converting English units to International System (SI) units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimetres (mm)
	2.54×10^{-2}	metres (m)
feet (ft)	3.048×10^{-1}	metres (m)
miles (mi)	1.609×10^{0}	kilometres (km)
	Area	
acres	4.047×10^{3}	square metres (m^2)
	4.047×10^{-1}	*hectares (ha)
	4.047×10^{-1}	square hectometres (hm^2)
	4.047×10^{-3}	square kilometres (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometres (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	**litres (l)
	3.785×10^{0}	cubic decimetres (dm^3)
	3.785×10^{-3}	cubic metres (m^3)
million gallons (10^6 gal)	3.785×10^{3}	cubic metres (m^3)
	3.785×10^{-3}	cubic hectometres (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimetres (dm^3)
	2.832×10^{-2}	cubic metres (m^3)
cfs-days [(ft^3/s) · d]	2.447×10^{3}	cubic metres (m^3)
	2.447×10^{-3}	cubic hectometres (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic metres (m^3)
	1.233×10^{-3}	cubic hectometres (hm^3)
	1.233×10^{-6}	cubic kilometres (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	litres per second (l/s)
	2.832×10^{1}	cubic decimetres per second (dm^3/s)
	2.832×10^{-2}	cubic metres per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	litres per second (l/s)
	6.309×10^{-2}	cubic decimetres per second (dm^3/s)
	6.309×10^{-5}	cubic metres per second (m^3/s)
million gallons per day (mgal/d)	4.381×10^{1}	cubic decimetres per second (dm^3/s)
	4.381×10^{-2}	cubic metres per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	tonnes (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit litre is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

SECTION 1. SURFACE-WATER RECORDS

01428500 Delaware River above Lackawaxen River near Barryville, N.Y.

LOCATION.--Lat 41°30'32", long 74°59'13", Sullivan County, on left bank 1.6 mi (2.6 km) upstream from Lackawaxen River and 4.6 mi (7.4 km) northwest of Barryville.

DRAINAGE AREA.--2,023 mi^2 (5,240 km^2).

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 600.22 ft (182.947 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 42,000 ft^3/s (1,189 m^3/s) Feb. 25 (gage height, 13.38 ft or 4.078 m); minimum, 482 ft^3/s (13.7 m^3/s) July 9-10; minimum daily, 512 ft^3/s (14.5 m^3/s) July 9, Aug. 13; minimum gage height, 2.11 ft (0.643 m) Aug. 13.

Period of record: Maximum discharge, 130,000 ft^3/s (3,680 m^3/s) Aug. 19, 1955 (gage height, 26.40 ft or 8.047 m, from floodmarks in gage house), from rating curve extended above 55,000 ft^3/s (1,560 m^3/s) on basis of slope-area measurement at gage height 23.19 ft (7.068 m); minimum, 122 ft^3/s (3.46 m^3/s) Sept. 5, 1953 (gage height, 1.11 ft or 0.338 m); minimum daily, 126 ft^3/s (3.57 m^3/s) Sept. 4, 1953.

REMARKS.--Records good except those for winter periods, which are fair. Subsequent to September 1954, entire flow from 371 mi^2 (961 km^2) of drainage area controlled by Pepacton Reservoir (see New York Annual Report) and, subsequent to October 1963, entire flow from 454 mi^2 (1,176 km^2) of drainage area controlled by Cannonsville Reservoir (see New York Annual Report). Part of flow of these reservoirs diverted for New York City municipal supply. Remainder of flow, except for conservation releases and spill, impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Records of water quality for the current year are published in the New York Annual Report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5990	998	2630	1620	5740	10700	5710	2300	1990	1220	953	3040
2	4730	1250	2860	1600	5110	8350	4930	2510	2050	962	1110	2100
3	4040	962	3430	1200	4500	6710	7360	2910	1850	810	1310	1730
4	3470	883	2910	1200	3740	5270	17900	3120	1920	908	1250	1470
5	3040	1190	2380	1300	2990	4200	14900	6230	2270	1070	1230	1220
6	2720	2170	2140	1200	3160	3760	12200	5600	6490	1040	1100	1090
7	2440	2360	1970	1300	3370	3430	10000	11000	10700	935	1720	1100
8	2170	2140	7520	1300	2650	3530	8250	11400	7360	620	1290	1050
9	1980	1990	30000	2000	2200	3270	6830	9400	5630	512	1160	1030
10	1810	1880	17000	6110	1900	2870	5970	7780	4700	1040	908	1070
11	1660	1830	11400	6950	1700	2500	5430	6520	4090	1190	725	953
12	1550	1800	8800	14800	1600	2200	5010	5940	4780	1190	580	842
13	1450	5710	7270	13000	1400	2300	4580	9760	11300	1010	512	1340
14	1340	7620	6110	9800	1400	2500	4240	10700	9440	1040	633	1770
15	1290	6170	5220	7020	1600	2400	4020	9730	7270	1100	859	1260
16	1340	5380	4580	5990	1880	2200	3740	9080	5910	908	1290	971
17	1940	4600	4600	5040	1850	2300	3430	8490	5170	826	1050	875
18	2100	4130	4220	3800	1850	2400	3310	7140	4400	770	1360	834
19	1780	3660	3700	3900	1890	2500	3390	6200	3550	633	1060	842
20	1590	3510	3350	3800	1980	15900	3780	5350	3160	1450	971	1220
21	1460	5060	3080	2500	1950	19300	4090	4450	2580	3210	917	1530
22	1360	5910	2860	2400	1940	13500	3760	3890	2130	4180	1[illegible]	1760
23	1300	4960	2660	2600	2410	11700	3350	3800	1810	2160	1[illegible]	1370
24	1260	4530	2440	2400	15700	10700	3270	3330	1610	1520	1[illegible]	2300
25	1260	4380	2380	2500	39500	11900	3980	3180	1470	1760	225[illegible]	10200
26	1400	4270	2490	5600	29900	11500	3890	2560	1340	1090	1650	15300
27	1320	3660	2170	6580	20000	9970	3490	2220	1220	1740	1070	12000
28	1230	3290	2050	4910	14100	8250	3200	1990	1160	1480	859	10400
29	1250	3100	1980	4500	---	7170	2930	1780	1340	1320	1090	7800
30	1050	2800	1800	6550	---	6890	2650	1590	1470	1170	3330	6050
31	1020	---	1850	6320	---	6770	---	1650	---	1050	6610	---
TOTAL	62340	102273	158730	139790	178010	206940	169590	171600	120160	40714	44117	95397
MEAN	2011	3409	5120	4509	6358	6675	5653	5535	4005	1313	1423	3180
MAX	5990	7620	30000	14800	39500	19300	17900	11400	11300	4180	6610	15300
MIN	1020	883	1850	1200	1400	2200	2650	1590	1160	512	512	834
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 1315306 MEAN 3604 MAX 30000 MIN 611 CFSM - IN. -
WTR YR 1975 TOTAL 1489661 MEAN 4081 MAX 39500 MIN 512 CFSM - IN. -

01429000 West Branch Lackawaxen River at Prompton, Pa.

LOCATION.--Lat 41°35'14", long 75°19'38", Wayne County, on right bank 500 ft (150 m) downstream from Prompton Lake, 1,500 ft (460 m) upstream from bridge on U.S. Highway 6 at Prompton, and 2,000 ft (610 m) upstream from Van Auken Creek.

DRAINAGE AREA.--59.7 mi^2 (154.6 km^2).

PERIOD OF RECORD.--August 1944 to current year. Prior to October 1952, published as Lackawaxen River at Prompton.

GAGE.--Water-stage recorder. Datum of gage is 1,083.78 ft (330.336 m) above mean sea level.

AVERAGE DISCHARGE.--31 years, 108 ft^3/s (3.06 m^3/s), 24.57 in/yr (624 mm/yr), adjusted for storage since January 1961.

EXTREMES.--Current year: Maximum discharge, 1,930 ft^3/s (54.7 m^3/s) Feb. 25 (gage height, 4.96 ft or 1.512 m); minimum, 29 ft^3/s (0.82 m^3/s) Aug. 24 (gage height, 1.23 ft or 0.375 m).
Period of record: Maximum discharge, 5,860 ft^3/s (166 m^3/s) Aug. 18, 1955 (gage height, 9.24 ft or 2.816 m), from rating curve extended above 3,600 ft^3/s (102 m^3/s); no flow July 26 to Aug. 25, 1960, result of construction work upstream.
Flood of May 23, 1942, reached a stage of 16.7 ft (5.09 m) from floodmark.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Flow regulated by Prompton Lake 500 ft (150 m) upstream (see p. 129).

REVISIONS (WATER YEARS).--WSP 1432: 1948-49. WRD Penna. 1971: 1970(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	39	58	79	176	314	171	66	100	186	50	101
2	97	35	70	75	147	242	155	89	90	136	45	85
3	81	31	110	66	123	199	260	106	84	108	46	74
4	68	31	94	65	102	163	516	133	82	89	49	62
5	61	45	85	65	97	142	273	359	100	76	66	55
6	55	64	81	58	95	126	288	322	500	66	74	52
7	51	53	75	57	95	117	232	412	460	60	91	52
8	46	44	290	57	83	119	196	350	380	54	89	49
9	42	40	586	107	77	115	169	268	250	49	76	60
10	40	38	402	240	70	101	155	208	180	48	66	60
11	38	37	279	310	65	95	144	171	150	44	62	50
12	35	39	216	580	65	89	132	158	200	40	58	50
13	33	310	186	453	63	95	119	309	290	36	56	50
14	31	240	164	322	60	106	108	288	250	41	52	48
15	29	170	144	230	57	101	99	228	200	48	42	45
16	32	130	136	183	55	91	95	222	157	48	56	44
17	46	110	141	158	54	91	89	208	142	48	66	42
18	52	98	141	131	54	101	81	177	122	44	69	39
19	48	94	126	128	58	120	81	155	106	39	58	45
20	44	110	113	121	68	579	81	136	124	45	39	61
21	40	160	104	97	68	668	78	119	115	69	32	64
22	38	130	95	93	68	468	71	119	97	74	32	64
23	37	110	87	89	98	373	66	218	81	61	31	72
24	35	94	83	81	906	336	71	180	71	51	51	120
25	33	96	93	85	1710	407	97	144	67	210	76	880
26	33	83	111	162	1010	368	97	119	61	183	66	829
27	33	70	102	176	586	288	85	103	55	134	67	624
28	33	71	93	150	477	225	78	85	54	103	61	432
29	32	66	85	151	---	189	72	81	66	79	52	301
30	42	62	81	256	---	186	67	78	216	67	104	225
31	45	---	79	222	---	196	---	76	---	56	132	---
TOTAL	1453	2700	4510	5047	6527	6810	4226	5687	4850	2392	1916	4735
MEAN	46.9	90.0	145	163	233	220	141	183	162	77.2	61.8	158
MAX	123	310	586	580	1710	668	516	412	500	210	132	880
MIN	29	31	58	57	54	89	66	66	54	36	31	39
MEAN#	42.3	91.0	146	184	224	210	136	184	169	70.2	64.2	161
CFSM#	.71	1.52	2.45	3.08	3.76	3.52	2.28	3.08	2.83	1.18	1.08	2.70
IN.#	.82	1.70	2.82	3.55	3.90	4.06	2.54	3.55	3.16	1.36	1.24	3.01

CAL YR 1974 TOTAL 42913 MEAN 118 MAX 764 MIN 17 MEAN# 116 CFSM# 1.94 IN.# 26.55
WTR YR 1975 TOTAL 58853 MEAN 139 MAX 1710 MIN 29 MEAN# 139 CFSM# 2.33 IN.# 31.71

NOTE.--No gage-height record Nov. 2 to Dec. 4.
Adjusted for change in contents in Prompton Lake.

01429500 Dyberry Creek near Honesdale, Pa.

LOCATION.--Lat 41°36'26", long 75°16'03", Wayne County, on right bank 180 ft (55 m) upstream from unnamed tributary 1,700 ft (518 m) downstream from General Edgar Jadwin Reservoir, 2.1 mi (3.4 km) north of Honesdale, and 2.6 mi (4.2 km) upstream from mouth.

DRAINAGE AREA.--64.6 mi^2 (167.3 km^2).

PERIOD OF RECORD.--October 1943 to current year. Published as "at Dyberry" October 1943 to September 1959 and as "near Dyberry" October 1959 to September 1961.

GAGE.--Water-stage recorder. Datum of gage is 970.70 ft (295.869 m) above mean sea level. Prior to Oct. 1, 1957, nonrecording gage at site 1.9 mi (3.1 km) upstream at datum 13.70 ft (4.176 m) higher.

AVERAGE DISCHARGE.--32 years, 112 ft^3/s (3.17 m^3/s), 23.54 in/yr (598 mm/yr), adjusted for storage since October 1959.

EXTREMES.--Current year: Maximum discharge, 1,800 ft^3/s (51.0 m^3/s) Feb. 25 (gage height, 6.12 ft or 1.865 m), minimum, 15 ft^3/s (0.42 m^3/s) Aug. 21; minimum gage height, 1.33 ft (0.405 m) Aug. 21, 22, 23, 24.
Period of record: Maximum discharge, 15,500 ft^3/s (439 m^3/s) July 10, 1952 (gage height, 14.6 ft or 4.45 m, site and datum then in use), from rating curve extended above 2,500 ft^3/s (71 m^3/s) on basis of slope-area measurement at gage height, 13.78 ft (4,200 m), site and datum then in use; no flow Oct. 2, 3, 1968 (result of shutoff at General Edgar Jadwin Reservoir).
Flood of May 23, 1942, reached a stage of 15.86 ft (4.834 m), site and datum then in use, from floodmarks.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1382: 1947(M), 1950(M), 1951-53.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	25	64	46	152	271	159	69	150	122	30	47
2	67	25	94	80	120	209	141	120	136	77	27	42
3	54	23	118	65	96	174	430	127	107	48	25	35
4	46	23	86	66	86	143	705	166	105	45	24	27
5	41	48	73	67	78	120	363	486	109	38	30	24
6	36	67	69	56	76	110	260	341	763	34	31	25
7	33	54	66	55	80	120	201	565	665	30	62	25
8	33	42	669	55	66	102	171	423	323	28	45	23
9	34	37	1170	373	61	110	157	274	196	28	33	48
10	30	38	396	426	58	100	147	196	154	51	26	33
11	24	39	235	521	55	96	136	159	125	37	23	24
12	24	34	189	786	52	94	122	150	176	29	23	30
13	23	376	169	409	50	143	109	335	458	30	21	36
14	22	254	152	220	48	138	101	386	282	47	21	27
15	22	166	136	130	47	118	96	274	181	48	18	23
16	39	131	134	96	46	105	94	251	150	41	27	21
17	84	111	174	84	45	120	88	230	129	56	34	21
18	54	101	150	74	60	136	82	171	114	38	28	21
19	39	97	122	80	82	176	86	143	103	33	23	33
20	34	105	111	68	66	1010	82	120	120	90	18	45
21	31	179	103	57	75	768	75	103	94	114	15	38
22	30	141	99	53	77	373	67	107	69	94	17	31
23	28	103	92	50	102	344	65	276	59	57	17	57
24	27	99	88	49	1270	351	94	179	54	41	64	145
25	27	101	136	80	1780	521	127	109	51	276	54	1050
26	30	90	131	380	1630	351	101	80	47	174	39	997
27	29	75	103	204	979	224	82	71	45	99	61	423
28	27	78	94	143	344	179	73	61	50	67	38	211
29	25	75	88	186	---	102	67	53	62	47	31	136
30	24	69	88	363	---	199	65	62	131	38	131	105
31	25	---	86	194	---	209	---	78	---	34	80	---
TOTAL	1141	2806	5483	5556	7761	7336	4546	6165	5208	1991	1116	3803
MEAN	36.8	93.5	177	179	277	237	152	199	174	64.2	36.0	127
MAX	97	376	1170	786	1780	1010	705	565	763	276	131	1050
MIN	22	23	64	49	45	94	65	53	45	28	15	21
MEAN#	36.8	93.5	177	179	278	236	152	199	174	64.2	36.0	127
CFSM#	.57	1.45	2.74	2.77	4.30	3.65	2.35	3.08	2.69	.99	.56	1.97
IN.#	.66	1.62	3.16	3.19	4.48	4.21	2.62	3.55	3.00	1.14	.65	2.20

CAL YR 1974 TOTAL 43439 MEAN 119 MAX 1170 MIN 11 MEAN# 119 CFSM# 1.84 IN.# 25.02
WTR YR 1975 TOTAL 52912 MEAN 145 MAX 1780 MIN 15 MEAN# 145 CFSM# 2.24 IN.# 30.48

Adjusted for change in contents in General Edgar Jadwin Reservoir.

01431500 Lackawaxen River at Hawley, Pa.

LOCATION.--Lat 41°28'34", long 75°10'21", Wayne County, on left bank at Church Street Bridge in Hawley, 700 ft (213 m) upstream from Wallenpaupack Creek, and 3,000 ft (914 m) downstream from Middle Creek.

DRAINAGE AREA.--290 mi² (751 km²).

PERIOD OF RECORD.--July 1908 to September 1917, August 1938 to current year. Monthly discharge only for some periods, published in WSP 1302. October 1917 to December 1919 (gage heights and discharge measurements only) in reports of Water Supply Commission of Pennsylvania.

GAGE.--Nonrecording gage, water-stage recorder, and crest-stage gage. Datum of gage is 869.00 ft (264.871 m) above mean sea level. Prior to 1938, nonrecording gage at same site and datum. August 10, 1938 to August 19, 1955, water-stage recorder and August 20, 1955 to February 13, 1956, nonrecording gage at site 1,000 ft (300 m) downstream at same datum.

AVERAGE DISCHARGE.--46 years (1908-17, 1938-75), 478 ft³/s (13.5 m³/s), 22.38 in/yr (568 mm/yr), adjusted for storage since October 1959.

EXTREMES.--Current year: Maximum discharge, 10,000 ft³/s (283 m³/s) Feb. 24 (gage height, 9.94 ft or 3.030 m); minimum observed, 89 ft³/s (2.52 m³/s) Aug. 22.

Period of record: Maximum discharge, 51,900 ft³/s (1,470 m³/s) Aug. 19, 1955 (gage height, 24.8 ft or 7.56 m at present site, 20.6 ft or 6.28 m at former site, from floodmark), from rating curve extended above 12,000 ft³/s (340 m³/s) on basis of slope-area measurement at gage height, 24.2 ft (7.38 m), at present site, 20.1 ft (6.13 m) at former site; minimum daily, 8 ft³/s (0.23 m³/s) Sept. 8, 1909.

Flood in March 1936 reached a stage of 19.1 ft (5.82 m) at present site, 13.9 ft (4.24 m), at former site, from floodmarks (discharge, 27,600 ft³/s or 782 m³/s).

REMARKS.--Records fair. Regulation by Prompton Lake and, at high flow, by General Edgar Jadwin Lake located 14.9 mi (24.0 km) and 13.0 mi (20.9 km) upstream, respectively (see p.129). Records of water quality for the current year are published on p.155.

REVISIONS (WATER YEARS).--WSP 1951: 1938-41. WSP 1302: 1909-17. WSP 1432: 1942. WSP 1502: 1956.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	461	122	265	379	670	1210	700	265	316	449	121	288
2	300	118	332	370	530	967	602	438	335	331	114	223
3	249	114	536	311	444	784	857	513	320	260	101	190
4	213	111	392	326	392	629	2260	590	320	220	100	159
5	186	129	311	303	360	520	1460	1460	323	190	143	137
6	170	189	286	258	340	480	1100	1180	1780	170	129	131
7	156	186	255	250	360	463	897	1610	1960	156	262	137
8	145	163	2370	240	290	552	748	1310	1160	135	226	127
9	137	148	3220	925	270	450	676	967	754	131	170	170
10	135	141	1730	1510	260	370	612	766	564	139	137	170
11	126	137	1110	1700	250	340	546	639	440	145	114	141
12	116	147	869	2420	240	330	488	598	532	127	108	131
13	109	1150	766	1700	230	424	434	1100	1220	117	110	159
14	100	865	676	1210	220	458	397	1630	953	156	103	143
15	100	612	602	904	210	397	375	1030	646	177	95	129
16	137	509	563	760	210	341	362	1040	512	159	110	117
17	258	449	724	600	200	383	333	911	454	154	127	114
18	224	379	700	470	280	458	314	718	395	141	121	105
19	184	333	568	520	383	635	314	602	342	127	110	114
20	156	402	488	460	424	3050	303	522	362	133	98	105
21	145	624	439	420	362	2880	278	444	335	274	92	175
22	137	590	411	380	366	1800	255	409	277	238	89	170
23	133	473	379	350	878	1440	246	742	238	187	90	175
24	128	415	366	330	5700	1250	292	607	223	150	184	481
25	129	420	514	494	7000	1570	463	477	238	498	264	3780
26	135	362	624	1260	3970	1240	485	366	211	558	185	3740
27	133	296	468	939	2670	944	342	316	190	327	203	2200
28	129	314	415	676	1560	790	308	277	217	238	168	1300
29	126	300	375	899	---	700	283	244	422	182	141	827
30	122	275	366	1570	---	760	271	235	426	152	393	612
31	131	---	375	1030	---	862	---	284	---	133	473	---
TOTAL	5110	10473	21495	23964	29069	27477	16901	22282	16465	6554	4886	16510
MEAN	165	349	693	773	1038	886	563	719	549	211	158	550
MAX	461	1150	3220	2420	7000	3050	2260	1630	1960	558	473	3780
MIN	100	111	255	240	200	330	246	235	190	117	89	105
MEAN#	160	350	694	794	1030	875	558	720	556	204	160	553
CFSM#	.55	1.21	2.39	2.74	3.55	3.02	1.92	2.48	1.92	.70	.55	1.91
IN.#	.63	1.35	2.76	3.16	3.70	3.48	2.14	2.86	2.14	.81	.63	2.13

CAL YR 1974 TOTAL 192279 MEAN 527 MAX 3710 MIN 59 MEAN# 525 CFSM# 1.81 IN.# 24.62
WTR YR 1975 TOTAL 201186 MEAN 551 MAX 7000 MIN 89 MEAN# 551 CFSM# 1.90 IN.# 25.79

Adjusted for change in contents in Prompton Lake and General Edgar Jadwin Reservoir.

01432000 Wallenpaupack Creek at Wilsonville, Pa.

LOCATION.--At hydroelectric plant of Pennsylvania Power and Light Co., at lower end of penstock, at Kimble, 3 mi (5 km) east of dam which is at lat 41°27'33", long 75°11'08", Pike County, at Wilsonville, 1.2 mi (1.9 km) south of Hawley.

DRAINAGE AREA.--228 sq mi (591 sq km).

PERIOD OF RECORD.--October 1909 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Daily discharge determined from flow through turbines, computed from records of generator output and flow over roller gates, computed on basis of head on gates. Prior to Nov. 3, 1925, nonrecording gage at site 1,000 ft (300 m) downstream from dam at datum 1,146.78 ft (349.539 m) above mean sea level, unadjusted.

AVERAGE DISCHARGE.--66 years, 361 ft^3/s (10.2 m^3/s), 21.50 in/yr (546 mm/yr), unadjusted.

EXTREMES.--Period of record: Maximum daily discharge, 6,440 ft^3/s (183 m^3/s) June 30, 1973; no flow at times each year subsequent to Nov. 3, 1925.

REMARKS.--Records good. No flow over spillway or roller gates. Flow regulated by Lake Wallenpaupack (see p.129).

COOPERATION.--Records of generator load, operation of powerplant, net operating head, water-surface elevations in lake and daily discharges furnished by Pennsylvania Power and Light Co., in connection with a Federal Power Commission project.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1302: 1918, 1923-24. WSP 1432: 1920-21. The mean discharge for September 1966 has been corrected to 141 ft^3/s (3.99 m^3/s), superseding figure published in WRD Penna. 1966.

DISCHARGE, IN CUBIC FEET PER SECOND , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	718	0	0	0	731	780	810	0	0	487	0	6.6
2	0	0	0	823	0	0	800	0	0	444	0	420
3	0	0	0	820	1350	1200	808	0	481	452	0	395
4	0	0	127	0	1360	1200	802	0	464	0	0	381
5	0	0	0	0	1350	1210	690	0	462	0	0	409
6	0	0	66	834	1360	1210	0	0	1020	0	78	0
7	0	0	0	781	1350	1110	771	0	437	454	479	0
8	0	0	0	814	712	0	471	0	285	328	477	466
9	0	0	1170	807	0	0	490	0	1250	467	0	424
10	889	0	1300	816	1300	1180	409	0	1260	430	0	398
11	922	6.4	889	0	1280	1180	485	0	1210	505	481	430
12	897	11	873	0	1340	1180	0	0	699	0	422	416
13	0	0	847	836	1330	1190	0	0	698	0	473	0
14	674	0	0	762	1320	823	450	0	0	467	448	0
15	8.3	0	0	880	715	780	0	766	0	298	469	411
16	0	50	1200	1250	0	0	32	746	679	124	0	484
17	842	0	1380	1240	1340	767	6.1	0	508	240	0	376
18	905	0	864	0	1320	781	0	0	579	312	403	407
19	0	0	826	0	1340	792	0	1050	605	0	517	443
20	0	247	857	1190	1300	789	0	1040	456	0	580	0
21	774	425	0	1020	577	1020	12	1080	0	493	533	0
22	831	312	0	1030	0	667	0	1060	0	575	518	394
23	8.3	31	803	1040	0	0	0	1070	592	575	0	413
24	169	0	836	1010	884	941	0	0	0	698	0	823
25	0	0	0	0	1130	1320	0	0	0	1170	715	1500
26	0	0	855	0	1160	1320	0	0	0	909	739	1650
27	0	0	837	1060	1190	1340	0	821	15	678	464	459
28	0	8.2	0	1000	1180	0	64	0	0	1270	319	0
29	0	0	0	1030	---	0	9.1	96	0	349	26	460
30	0	0	838	1020	---	0	0	39	0	496	0	456
31	20	---	851	1290	---	1220	---	0	---	523	0	---
TOTAL	7657.6	1090.6	15339	21353	26919	23960	7109.2	7768	11700	12654	8141	11941.6
MEAN	247	36.4	495	689	961	773	237	251	390	408	263	398
MAX	922	425	1380	1290	1360	1340	810	1080	1260	1270	739	1650
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 156894.20 MEAN 428 MAX 1780 MIN 0 CFSM - IN. -
WTR YR 1975 TOTAL 155633.00 MEAN 426 MAX 1650 MIN 0 CFSM - IN. -

01434000 Delaware River at Port Jervis, N.Y.

LOCATION.--Lat 41°22'14", long 74°41'52", Pike County, Pa., on right bank 250 ft (76 m) downstream from bridge on U.S. Highways 6 and 209 at Port Jervis, 1.2 mi (1.9 km) upstream from Neversink River, and 6.5 mi (10.5 km) downstream from Mongaup River.

DRAINAGE AREA.--3,076 mi^2 (7,967 km^2).

PERIOD OF RECORD.--October 1904 to current year.

GAGE.--Water-stage recorder. Datum of gage is 415.35 ft (126.599 m) above mean sea level. Prior to Aug 13, 1928, nonrecording gages at highway bridge 250 ft (76 m) upstream at present datum (operated by U.S. Weather Bureau October 1904 to June 20, 1914).

EXTREMES.--Current year: Maximum discharge, 55,800 ft^3/s (1,580 m^3/s) Feb. 25 (gage height, 11.76 ft or 3.584 m); minimum, 938 ft^3/s (26.6 m^3/s) July 9 (gage height, 1.89 ft or 0.576 m), minimum daily, 1,370 ft^3/s (38.8 m^3/s) Nov. 5, July 20.

Period of record: Maximum discharge, 233,000 ft^3/s (6,600 m^3/s) Aug. 19, 1955 (gage height, 23.91 ft or 7.288 m, from floodmarks in gage house), from rating curve extended above 89,000 ft^3/s (2,520 m^3/s) on basis of slope-area measurement of peak flow; minimum observed, 175 ft^3/s (4.96 m^3/s) Sept. 23, 1908 (gage height, 0.6 ft or 0.18 m).

Maximum discharge previously known, 205,000 ft^3/s (5,810 m^3/s) Oct. 10, 1903 (gage height, 23.1 ft or 7.04 m, reported by U.S. Weather Bureau), from rating curve extended above 70,000 ft^3/s (1,980 m^3/s) by velocity-area studies; maximum stage known, 25.5 ft (7.77 m) Mar. 8, 1904 (ice jam).

REMARKS.--Records good. Flow regulated by Lake Wallenpaupack (see p.129) and by Toronto, Cliff Lake, and Swinging Bridge Reservoirs (see New York Annual Report) and smaller reservoirs. Large diurnal fluctuations at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi^2 (1,176 km^2) of drainage area controlled by Cannonsville Reservoir (see New York Annual Report). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, a directed by the Delaware River Master. Records of water-quality for the current year are published in the New York Annual Report.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1031: 1905-36. WRD N.Y. 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9130	1740	3750	3720	8800	15400	9200	3340	3100	2800	2040	4490
2	6870	1660	4160	3400	7410	12000	8010	3530	3140	2290	1510	3160
3	5600	1620	5190	3600	7300	10400	10300	3910	3300	2150	1670	2960
4	4760	1500	4700	3000	6950	9110	23300	3930	3430	1540	1490	2680
5	4010	1370	3790	2380	6190	7800	20200	8100	3880	1480	1930	2350
6	3540	2570	3460	2810	5950	7150	15700	8100	8620	1430	1810	1900
7	3340	3190	3030	3320	6310	6650	13400	12300	15100	1720	3010	1390
8	2980	2990	8810	3340	4890	5990	11700	14400	11200	1530	2850	1640
9	2840	2500	40800	4790	4250	5150	9800	11800	8360	1580	2300	2330
10	2930	2300	26000	10600	4320	4960	8670	9820	7680	1850	1490	2130
11	3300	2580	17200	10100	4770	5460	8050	8200	7190	2050	1700	2130
12	3300	2600	13400	18800	4470	5190	7060	7680	6960	1900	1780	1990
13	2820	6630	11300	18100	4540	5310	6560	11400	13700	1790	1620	1640
14	2210	10800	9430	14600	4370	5420	6380	13800	12300	2270	1590	2250
15	2380	8370	7920	11200	3790	5020	5910	13100	9400	2820	1540	2100
16	1990	7320	7610	9750	3480	4170	5490	12400	8460	2310	1780	2110
17	3030	6240	8530	9270	3330	4110	5040	11500	7850	1670	2010	1830
18	3870	5810	8060	8130	4270	4710	4750	9600	6750	1980	2000	1720
19	3010	5220	6760	6230	4560	5110	4460	9020	5770	1720	1920	1760
20	2120	4900	6320	7020	4260	19200	4410	8510	5290	1370	1840	1650
21	2240	6920	5540	6450	3940	27100	5170	7220	3930	3620	1700	1900
22	2780	8850	4540	5050	3100	18600	4880	6460	3180	6600	1910	2550
23	2510	6560	4920	4990	3570	15500	4490	7000	2570	3900	1920	2940
24	2140	5710	4930	4760	19200	14400	4300	5970	3110	3040	2030	4280
25	2110	5850	4520	4630	52300	16300	5100	5350	2190	3870	3440	13800
26	1730	5840	4960	7710	40600	15700	5000	4390	2230	4200	3090	24200
27	1810	5190	5000	9870	27600	14200	4380	4150	2070	3420	2750	17700
28	1910	4490	4280	8050	19700	11400	4230	3800	1810	3400	2180	14100
29	2010	4350	3610	7650	---	9540	4080	3070	1960	3040	1780	11000
30	1810	3810	3770	10400	---	9250	3740	2840	2210	2290	2520	8820
31	1770	---	4360	10400	---	10200	---	2900	---	2210	8410	---
TOTAL	96850	139480	250650	234120	274220	310500	233760	237590	176740	77840	69530	145500
MEAN	3124	4649	8085	7552	9794	10020	7792	7664	5891	2511	2243	4850
MAX	9130	10800	40800	18800	52300	27100	23300	14400	15100	6600	8410	24200
MIN	1730	1370	3030	2380	3100	4110	3740	2840	1810	1370	1490	1390
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 2091430 MEAN 5730 MAX 40800 MIN 1070 CFSM - IN. -
WTR YR 1975 TOTAL 2246780 MEAN 6156 MAX 52300 MIN 1370 CFSM - IN. -

01438500 Delaware River at Montague, N. J.

LOCATION.--Lat 41°18'33", long 74°47'44", Sussex County, N. J., on right bank 0.4 mi (0.6 km) upstream from toll bridge at Montague, 0.8 mi (1.3 km) downstream from Saw Kill, and at mile 246.3 (396.3 km).

DRAINAGE AREA.--3,480 mi² (9,013 km²).

PERIOD OF RECORD.--March 1936 to September 1939 (gage heights only, published as "at Milford, Pa."), October 1939 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 369.93 ft (112.755 m) above mean sea level. Prior to Feb. 9, 1940, nonrecording gage on upstream side of left span of subsequently dismantled bridge at present site at datum 70 ft (21.3 m) lower.

AVERAGE DISCHARGE.--36 years, 5,877 ft³/s (166.4 m³/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 62,100 ft³/s (1,760 m³/s) Feb. 25 (gage height, 17.52 ft or 5.340 m); minimum, 1,210 ft³/s (34.3 m³/s) July 9; minimum daily, 1,530 ft³/s (43.3 m³/s) Sept. 7.
Period of record: Maximum discharge, 250,000 ft³/s (7,080 m³/s) Aug. 19, 1955 (gage height, 35.15 ft or 10.714 m), from rating curve extended above 90,000 ft³/s (2,550 m³/s) on basis of flood-routing study; minimum, 382 ft³/s (10.8 m³/s) Aug. 24, 1954 (gage height, 3.83 ft or 1.167 m); minimum daily, 412 ft³/s (11.7 m³/s) Aug. 23, 1954.
Maximum stage during period 1903-74, 35.5 ft (10.82 m) Oct. 10, 1903, present datum, from floodmark.

REMARKS.--Records excellent. Diurnal fluctuations at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack (see p.129) and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, and Neversink Reservoirs (see New Jersey Annual Report) and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs (see New Jersey Annual Report). Records of water quality for the current year are published in the New Jersey Annual Report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9710	2160	4170	4660	9830	17600	10400	3930	3630	2990	2380	4860
2	7500	1960	4680	3900	8610	13900	9080	4040	3680	2730	1750	3410
3	6080	2030	5910	4280	7990	11700	11600	4610	3720	2450	1980	3290
4	5230	1810	5330	3780	7780	10400	26300	4580	4120	2100	1760	2690
5	4480	1750	4430	3050	7000	8940	22800	8550	4480	1670	2070	2490
6	4020	2650	4020	3040	6740	8190	17800	9110	9320	1720	2100	2160
7	3750	3590	3590	3940	7090	7640	14600	12800	16400	1730	2970	1530
8	3410	3410	9260	3900	5610	7040	13200	15800	12500	2000	3450	1620
9	3250	2950	43600	5390	4870	6130	11100	12900	9260	1640	2790	2490
10	3140	2610	29300	11800	4400	5540	9870	10900	8550	2030	1750	2340
11	3680	2850	19700	11300	5190	6240	9130	9240	8050	2380	1700	2300
12	3700	2950	15300	20400	4600	5960	8220	8630	7770	2360	2030	2210
13	3430	6800	12900	20500	5000	6090	7540	12700	15600	2090	1800	1930
14	2470	11600	11000	16800	4800	6310	7170	15600	14500	2910	1730	2340
15	2950	9130	9280	13000	4200	5840	6840	14500	10900	3680	1750	2160
16	2450	8020	8590	11700	4200	5100	6310	13500	9680	3080	1830	2340
17	3320	6950	9570	10400	3720	4690	5830	13000	9060	2300	2050	2070
18	4360	6400	9220	9070	4800	5520	5480	10700	7680	2340	2280	1950
19	3650	5820	7710	7290	5150	5820	5270	9780	6630	2320	2050	1900
20	2510	5430	7250	7890	4860	22000	5080	9350	6050	1560	1950	1900
21	2340	7380	6530	7250	4550	21600	5730	8020	4630	3590	1900	2030
22	3230	9390	5420	5730	3780	21800	5540	7190	3790	7010	1980	2510
23	3120	7320	5320	5850	4190	17900	5120	7920	3490	4510	2030	3210
24	2450	6370	5680	5590	19400	16200	4900	6980	3840	3360	2140	4580
25	2610	6340	5430	5610	57800	18200	5750	6220	2610	4290	3360	13600
26	2230	6370	5680	8720	45900	17500	5850	5330	2590	4780	3540	25900
27	2190	5710	5790	11000	31500	15700	5070	4730	2450	3950	2950	19000
28	2190	5010	5150	9260	22600	12800	4820	4610	2300	3630	2320	15400
29	2390	4800	4340	9000	---	10700	4650	3680	2300	3630	1950	11700
30	2230	4330	4310	11400	---	10400	4350	3380	2570	2550	2260	9600
31	2160	---	5040	11500	---	11300	---	3490	---	2530	8270	---
TOTAL	110230	153890	283500	267000	306180	354750	265400	265770	202350	89910	74870	155510
MEAN	3556	5130	9145	8613	10940	11440	8847	8573	6745	2900	2415	5184
MAX	9710	11600	43600	20500	57800	31600	26300	15800	16400	7010	8270	25900
MIN	2160	1750	3590	3040	3720	4690	4350	3380	2300	1560	1700	1530
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 2381860 MEAN 6526 MAX 43600 MIN 1280 CFSM - IN. -
WTR YR 1975 TOTAL 2529360 MEAN 6930 MAX 57800 MIN 1530 CFSM - IN. -

01439500 Bush Kill at Shoemakers, Pa.

LOCATION.--Lat 41°05'17", long 75°02'17", Monroe County, on right bank 30 ft (9 m) downstream from highway bridge, 0.1 mi (0.2 km) downstream from Saw Creek, 0.7 mi (1.1 km) northwest of Shoemakers, and 2 mi (3.2 km) southwest of Bushkill.

DRAINAGE AREA.--117 mi^2 (303 km^2).

PERIOD OF RECORD.--October 1908 to current year. Monthly discharge only for some periods, published in WSP 1302. Prior to October 1928, published as Bushkill Creek near Shoemakers; October 1928 to September 1952, published as Bushkill Creek at Shoemakers.

GAGE.--Water-stage recorder. Datum of gage is 421.13 ft (128.360 m) above mean sea level, unadjusted. Sept. 19, 1908 to Aug. 12, 1938, nonrecording gage, and Aug. 13, 1938 to June 20, 1956, water-stage recorder at site 50 ft (15 m) upstream at same datum.

AVERAGE DISCHARGE.--67 years, 234 ft^3/s (6.63 m^3/s), 27.16 in/yr (690 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,910 ft^3/s (82.4 m^3/s) Dec. 8 (gage height, 5.19 ft or 1.582 m); minimum, 42 ft^3/s (1.19 m^3/s) Sept. 18 (gage height, 1.30 ft or 0.396 m).
Period of record: Maximum discharge, 23,400 ft^3/s (663 m^3/s) Aug. 19, 1955 (gage height, 13.95 ft or 4.252 m, from floodmarks), from rating curve extended above 2,600 ft^3/s (73.6 m^3/s) on basis of slope-area measurement of peak flow; minimum, 2.6 ft^3/s (0.074 m^3/s) Sept. 25, 26, 27, 1964 (gage height, 0.72 ft or 0.219 m).

REMARKS.--Records good except those for winter periods, which are fair.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1202: 1921, 1932(M), 1933, 1935-36, 1938(M), 1939-40, 1942, 1945, 1946(M), 1948(M). WSP 1302: 1909-15, 1920(M), 1922-29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	110	145	221	341	764	341	176	188	157	89	97
2	234	105	230	217	310	638	307	214	174	131	81	83
3	206	103	259	198	280	500	708	216	160	117	74	75
4	184	98	217	195	230	380	950	262	151	107	82	66
5	174	103	180	188	240	330	729	444	154	93	363	60
6	164	113	170	174	250	300	617	374	369	83	236	57
7	154	105	160	170	210	310	529	521	352	75	335	56
8	141	103	1400	160	190	337	453	467	250	70	277	57
9	135	98	2250	472	170	270	406	407	206	77	225	71
10	130	93	1520	561	160	240	364	366	174	82	188	68
11	127	91	1110	654	180	220	329	331	157	71	163	56
12	121	180	879	839	150	200	301	404	195	65	146	58
13	118	386	715	887	140	272	272	640	296	100	131	77
14	116	326	597	770	140	260	246	604	225	210	128	70
15	116	296	505	611	130	230	234	498	188	256	115	55
16	184	263	539	490	130	210	236	485	174	226	111	53
17	234	238	618	420	120	220	224	453	170	218	113	47
18	191	217	519	370	170	250	212	398	154	179	112	45
19	170	206	428	421	234	318	226	357	141	188	98	57
20	160	214	374	382	227	1320	209	321	154	173	87	82
21	145	242	341	328	212	1130	193	291	136	173	79	79
22	135	221	316	280	211	885	177	273	122	148	74	66
23	130	198	286	260	280	731	169	326	112	132	69	95
24	124	184	273	250	1130	649	190	311	104	117	67	358
25	124	184	306	322	2160	627	237	291	96	232	87	738
26	127	181	311	514	590	525	262	255	90	218	99	672
27	121	164	273	416	1180	432	223	230	84	173	95	554
28	116	160	255	357	925	379	200	206	113	150	79	434
29	113	157	238	383	---	351	185	188	253	128	70	341
30	116	151	225	435	---	404	175	188	209	114	109	277
31	113	---	217	385	---	398	---	202	---	100	124	---
TOTAL	4691	5210	15856	12330	11690	14080	9904	10699	5351	4363	4112	4904
MEAN	151	174	511	398	418	454	330	345	178	141	133	163
MAX	268	386	2250	887	2160	1320	950	640	369	256	363	738
MIN	113	91	145	160	120	200	169	176	84	65	67	45
CFSM	1.29	1.49	4.37	3.40	3.57	3.88	2.82	2.95	1.52	1.21	1.14	1.39
IN.	1.49	1.66	5.04	3.92	3.72	4.48	3.15	3.40	1.70	1.39	1.31	1.56

CAL YR 1974 TOTAL 102298 MEAN 280 MAX 2250 MIN 36 CFSM 2.39 IN 32.53
WTR YR 1975 TOTAL 103190 MEAN 283 MAX 2250 MIN 45 CFSM 2.42 IN 32.81

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2330	5.19	2,910	3-20	0900	3.66	1,420
2-25	0430	4.62	2,310	4-03	2030	3.32	1,150

01440200 Delaware River below Tocks Island damsite, near Delaware Water Gap, Pa.

LOCATION.--Lat 41°00'42", long 75°05'09", Warren County, N. J., on left bank 40 ft (12 m) streamward from River Road, 1 mi (1.6 km) downstream from Tocks Island, 3.7 mi (6 km) northeast of Delaware Water Gap, Pa., 4 mi (6.4 km) upstream from bridge on Interstate Highway 80, and at mile 216.[illegible] (347.7 km).

DRAINAGE AREA.--3,850 mi² (9,970 km²) approximately.

PERIOD OF RECORD.--May 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 293.64 ft (89.501 m) above mean sea level.

AVERAGE DISCHARGE.--11 years, 6,222 ft³/s (176.2 m³/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 69,400 ft³/s (1,965 m³/s) Feb. 25 (gage height, 18.06 ft or 5.505 m); minimum daily, 1,850 ft³/s (52.4 m³/s) Sept. 8.
Period of record: Maximum discharge, 103,000 ft³/s (2,920 m³/s) June 30, 1973 (gage height, 23.82 ft or 7.260 m); minimum daily, 580 ft³/s (16.4 m³/s) July 7, 8, 1965.

REMARKS.--Records good. Diurnal fluctuation at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack (see p.129)and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, and Neversink Reservoirs (see New Jersey Annual Report) and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs (see New Jersey Annual Report). Records of water quality for the current year are published in the New Jersey Annual Report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12000	2450	4670	5920	11300	21300	12000	4800	4270	3500	3460	7000
2	9320	2380	5150	4730	9720	16400	10500	4800	4430	3600	3110	4200
3	7390	2280	6460	5410	8240	12400	13100	5400	4240	3000	2640	3650
4	6350	1940	6200	4850	8440	11800	27000	5600	4730	2700	2600	3200
5	5600	2030	5300	4090	7720	10200	20000	9250	4910	2300	2700	2900
6	4900	2060	4700	3480	7370	9190	21000	12000	8250	2100	3300	2600
7	4390	3780	4250	4550	7550	8560	17000	13100	17400	2100	3600	2000
8	4110	3990	10100	4590	7120	8010	15400	19200	14600	2300	4200	1850
9	3720	3690	45000	5790	5700	7090	13000	16200	10500	2100	3700	2500
10	3550	3070	38300	[illegible]100	5040	5410	11500	13900	9650	2250	2800	2650
11	4170	3000	25000	13900	6820	6740	10500	10700	9030	2500	2200	2500
12	4080	3370	18600	20300	6190	6630	9860	9800	8440	2650	2500	2550
13	4060	5440	15500	24300	5930	6480	8750	14600	14300	2900	2600	2220
14	3080	11800	1350[illegible]	21100	6750	6830	8080	17000	16400	5200	2440	1910
15	3310	10500	113[illegible]	16200	6150	6330	8000	16200	12400	8000	2200	2300
16	3010	9260	[illegible]	13700	5150	5770	7100	15100	10600	6800	2300	2400
17	3490	8480	11500	13100	4410	4870	6900	15000	10200	5800	2400	2240
18	5200	7630	11500	11700	5740	5940	6400	12400	8950	4500	2600	2200
19	4980	7050	9940	8690	6210	5810	6200	11100	8000	4200	2500	2150
20	3450	6410	9030	9280	6150	10400	5900	10600	7000	4000	2300	2150
21	3000	7450	8520	9560	5910	36800	6200	8800	5700	4700	2300	2300
22	3510	10400	7100	7480	5120	25500	6400	8200	5200	6700	2200	2600
23	3640	8740	6410	7090	4880	20400	5900	8500	4500	7100	2300	3430
24	2930	7420	7040	6890	14900	17400	5850	8200	4270	5100	2400	4440
25	2980	6820	7030	7150	62700	19000	6550	7490	4000	6500	3900	11300
26	2840	6800	6730	8080	56300	18800	6440	6890	3300	8000	4200	28600
27	2470	6510	7500	12600	39300	17600	6300	5770	3000	6000	3500	21800
28	2390	5830	6770	11400	27800	15000	5930	5970	3200	5000	3000	18300
29	2640	5320	5700	10500	---	12300	5600	4550	3500	5000	2400	13600
30	2710	4990	5250	11900	---	11600	5200	4260	3800	4600	2550	11200
31	2390	---	5870	12900	---	12500	---	4260	---	3800	6000	---
TOTAL	131660	170890	340320	314030	354610	392160	306360	309640	228770	135000	98900	172900
MEAN	4247	5696	10980	10130	12660	12650	10210	9988	7626	4355	2932	5763
MAX	12000	11800	45000	24300	62700	36800	28000	19200	17400	8000	6000	28600
MIN	2390	1940	4250	3480	4410	4870	5200	4260	3000	2100	2200	1850
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 2719270 MEAN 7450 MAX 45000 MIN 1600 CFSM - IN. -
WTR YR 1975 TOTAL 2947240 MEAN 8075 MAX 62700 MIN 1850 CFSM - IN. -

01440400 Brodhead Creek near Analomink, Pa.

LOCATION.--Lat 41°05'05", long 75°12'54", Monroe County, on left bank 1.5 mi (2.4 km) upstream from Paradise Creek, 1.6 mi (2.6 km) southeast of Henryville, and 2.3 mi (3.7 km) north of Analomink.

DRAINAGE AREA.--65.9 mi^2 (170.7 km^2).

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 586.50 ft (178.765 m) above mean sea level. Prior to Dec. 12, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--18 years, 131 ft^3/s (3.71 m^3/s), 27.00 in/yr (686 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,350 ft^3/s (123 m^3/s) Dec. 8 (gage height, 7.82 ft or 2.384 m), from rating curve extended above 1,200 ft^3/s (34 m^3/s) as explained below; minimum, 19 ft^3/s (0.54 m^3/s) Sept. 11, 12 (gage height, 1.47 ft or 0.448 m).
Period of record: Maximum discharge, 12,900 ft^3/s (365 m^3/s) July 28, 1969 (gage height, 11.82 ft or 3.603 m), from rating curve extended above 1,400 ft^3/s (40 m^3/s) on basis of slope-area measurement of peak flow; minimum, 5.9 ft^3/s (0.17 m^3/s) Sept. 8, 1964; minimum gage height, 1.22 ft (0.372 m) Sept. 18, 19, 23, 1964.

REMARKS.--Records good except those for winter periods, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	54	76	124	160	349	197	106	92	65	36	37
2	133	54	124	122	160	299	176	142	84	55	32	31
3	116	52	129	107	140	250	559	130	79	49	30	28
4	102	52	107	104	120	200	538	246	74	48	29	26
5	95	55	90	100	125	170	380	377	82	43	97	22
6	97	57	83	94	130	150	322	317	240	39	94	24
7	92	54	80	89	110	160	279	376	193	37	127	23
8	86	52	2060	85	96	176	246	303	131	36	95	20
9	76	49	1420	334	90	140	220	263	106	38	77	28
10	70	44	745	331	84	120	200	230	94	36	57	23
11	66	42	513	473	90	110	181	215	84	34	49	19
12	65	47	365	550	80	110	165	354	115	37	46	27
13	62	268	308	517	74	145	149	435	171	66	40	32
14	61	181	265	397	70	143	139	401	127	158	38	24
15	61	158	233	300	67	130	133	319	108	188	33	22
16	107	137	282	260	65	120	137	320	102	130	32	20
17	127	124	331	220	80	120	125	281	96	111	36	20
18	100	113	265	190	120	137	116	247	90	83	35	20
19	84	107	225	212	129	317	129	221	83	87	31	31
20	76	114	202	195	122	1020	116	196	107	63	27	38
21	70	131	185	160	113	620	105	174	76	79	24	32
22	65	118	174	150	116	438	97	165	68	68	23	30
23	64	102	158	140	176	359	90	149	65	58	23	52
24	64	99	152	130	1230	337	107	152	67	54	24	300
25	61	99	176	163	1630	319	135	156	53	134	51	513
26	64	94	167	271	862	274	158	127	49	86	35	437
27	60	86	147	207	603	236	124	115	47	63	31	340
28	58	82	137	178	412	212	111	102	95	53	25	247
29	56	81	127	205	---	200	104	92	126	45	22	193
30	56	78	124	241	---	249	97	95	88	40	54	153
31	55	---	118	207	---	228	---	101	---	37	51	---
TOTAL	2509	2784	9568	6876	7274	7840	5637	6907	2992	2142	1403	2810
MEAN	80.9	92.8	309	222	260	253	188	223	99.7	69.1	45.3	93.7
MAX	160	268	2060	550	1630	1020	559	435	240	188	127	513
MIN	55	42	76	85	65	110	90	92	47	34	22	19
CFSM	1.23	1.41	4.69	3.37	3.95	3.84	2.85	3.38	1.51	1.05	.69	1.42
IN.	1.42	1.57	5.40	3.88	4.11	4.43	3.18	3.90	1.69	1.21	.79	1.59

CAL YR 1974 TOTAL 57184 MEAN 157 MAX 2060 MIN 22 CFSM 2.38 IN 32.28
WTR YR 1975 TOTAL 58742 MEAN 161 MAX 2060 MIN 19 CFSM 2.44 IN 33.16

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-8	1330	7.82	4,350	3-20	0200	4.93	1,220
2-24	2300	6.38	2,470				

01442500 Brodhead Creek at Minisink Hills, Pa.

LOCATION.--Lat 40°59'55", long 75°08'35", Monroe County, on left bank at Minisink Hills, 500 ft (150 m) upstream from Marshall Creek, 1,500 ft (460 m) downstream from Coates Paper Box Co., 0.8 mi (1.3 km) upstream from mouth, and 3 mi (4.8 km) southeast of East Stroudsburg.

DRAINAGE AREA.--259 mi^2 (671 km^2).

PERIOD OF RECORD.--November 1950 to current year.

GAGE.--Nonrecording gage and water-stage recorder. Datum of gage is 301.84 ft (92.001 m) above mean sea level. Prior to Aug. 19, 1955, water-stage recorder, and Aug. 23 to Nov. 24, 1955, nonrecording gages at site about 1,300 ft (400 m) upstream at datum 2.19 ft (0.668 m) higher. Nov. 25, 1955 to July 24, 1956, nonrecording gage at site 40 ft (12 m) upstream at present datum.

AVERAGE DISCHARGE.--24 years (1951-75), 552 ft^3/s (15.6 m^3/s), 28.94 in/yr (735 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,600 ft^3/s (300 m^3/s) Dec. 8 (gage height, 8.52 ft or 2.597 m), from rating curve extended above 3,600 ft^3/s (100 m^3/s); minimum, 116 ft^3/s (3.29 m^3/s) Sept. 12, 18, 19 (gage height, 1.52 ft or 0.463 m).

Period of record: Maximum discharge, 68,800 ft^3/s (1,950 m^3/s) Aug. 19, 1955 (gage height, 29.9 ft or 9.11 m, site and datum then in use, 27.0 ft (8.23 m), present site and datum, from floodmarks), from rating curve extended above 4,600 ft^3/s (130 m^3/s) on basis of computation of flow over dam at gage height, 14.43 ft (4.398 m) and slope-area measurement at peak flow, site and datum then in use; minimum, 29 ft^3/s (0.82 m^3/s) Sept. 27, 1964 (gage height, 1.12 ft or 0.341 m).

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1232: 1951(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	532	253	279	506	800	1370	705	442	378	436	210	179
2	460	249	441	499	700	1200	653	570	345	362	204	154
3	412	245	473	473	600	950	2300	532	316	320	190	154
4	378	241	384	454	520	780	2320	854	306	306	204	143
5	362	241	345	424	540	680	1630	1380	340	274	244	137
6	340	249	320	390	560	600	1320	1080	1080	249	262	132
7	330	249	300	370	480	668	1110	1310	832	245	389	132
8	320	241	5530	370	430	712	972	1040	590	234	287	124
9	306	237	5120	1270	390	540	866	909	480	222	245	126
10	263	226	2780	1430	360	480	783	824	418	230	214	124
11	274	218	1920	1750	390	440	705	743	372	214	226	119
12	274	227	1480	1960	350	420	660	849	521	241	214	154
13	270	940	1210	1880	320	604	597	1470	858	356	190	186
14	266	597	1070	1530	300	564	558	1450	590	818	186	143
15	266	532	918	1210	290	480	532	1110	506	718	173	126
16	466	473	1260	1000	280	470	525	1080	473	558	176	121
17	555	430	1590	850	280	460	492	954	466	480	190	119
18	412	400	1190	720	400	538	466	832	418	372	190	116
19	362	384	1020	820	604	836	525	767	389	320	167	151
20	335	384	900	720	604	3580	466	675	492	451	151	186
21	311	442	815	620	550	2320	418	558	356	526	143	148
22	296	418	759	560	570	1720	378	584	320	356	143	145
23	287	362	682	520	824	1450	362	564	296	306	134	266
24	279	350	660	500	3350	1200	427	525	292	274	164	1440
25	270	340	735	726	6470	1260	625	597	270	448	597	2060
26	274	316	712	1230	3850	1040	660	499	257	454	249	1600
27	274	301	611	918	2240	892	525	442	257	356	210	1220
28	262	283	570	815	1650	791	480	400	486	311	160	849
29	262	296	538	1030	---	743	460	362	1030	266	151	675
30	257	279	506	1140	---	923	442	384	590	245	254	584
31	253	---	480	945	---	824	---	424	---	226	222	---
TOTAL	10228	10403	35598	27632	28710	29535	22962	24210	14324	11174	6744	11813
MEAN	330	347	1148	891	1025	953	765	781	477	360	218	394
MAX	555	940	5530	1960	6470	3580	2320	1470	1080	818	597	2060
MIN	253	218	279	370	280	420	362	362	257	214	134	116
CFSM	1.27	1.34	4.43	3.44	3.96	3.68	2.95	3.02	1.84	1.39	.84	1.52
IN.	1.47	1.49	5.11	3.97	4.12	4.24	3.30	3.48	2.06	1.60	.97	1.70

CAL YR 1974 TOTAL 222871 MEAN 611 MAX 5530 MIN 115 CFSM 2.36 IN 32.01
WTR YR 1975 TOTAL 233333 MEAN 639 MAX 6470 MIN 116 CFSM 2.47 IN 33.51

PEAK DISCHARGE (BASE, 4,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1615	8.52	10,600	3-20	0530	5.31	4,310
2-25	0200	6.71	6,880	4- 3	1600	5.47	4,580

01446500 Delaware River at Belvidere, N. J.

LOCATION.--Lat 40°49'36", long 75°05'02", Warren County, N. J., on left bank at Belvidere, 800 ft (240 m) downstream from Pequest River, and at mile 197.7 (318.1 km).

DRAINAGE AREA.--4,535 mi² (11,746 km²).

PERIOD OF RECORD.--October 1922 to current year.

GAGE.--Water-stage recorder. Datum of gage is 226.43 ft (69.016 m) above mean sea level. Prior to Jan. 1, 1929, nonrecording gage at site 200 ft (61 m) upstream at same datum.

AVERAGE DISCHARGE.--53 years, 7,875 ft³/s (223.0 m³/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 73,300 ft³/s (2,080 m³/s) Feb. 25 (gage height, 15.26 ft or 4.651 m); minimum, 2,160 ft³/s (61.2 m³/s) Aug. 22, Sept. 8 (gage height, 3.44 ft or 1.049 m).
Period of record: Maximum discharge, 273,000 ft³/s (7,730 m³/s) Aug. 19, 1955 (gage height, 30.21 ft or 9.208 m, from highwater mark in gage house), from rating curve extended above 170,000 ft³/s (4,810 m³/s) on basis of flood-routing study; minimum, 609 ft³/s (17.2 m³/s) Sept. 28, 29, 1943 (gage height, 2.11 ft or 0.643 m).
Flood of Oct. 10, 1903 reached a stage of 28.6 ft (8.72 m), from floodmark (discharge, 220,000 ft³/s or 6,230 m³/s), from rating curve extended above 170,000 ft³/s (4,810 m³/s).

REMARKS.--Records excellent. Diurnal fluctuation at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack (see p.129) and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, and Neversink Reservoirs (see New Jersey Annual Report) and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs (see New Jersey Annual Report).

REVISIONS (WATER YEARS).--WSP 781: 1933(M). WSP 951: 1940-41, drainage area. WSP 1432: 1923, 1924(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14000	2950	5220	6900	14800	26000	14700	6030	5510	4260	4030	9690
2	10700	2910	6060	6000	12700	21100	12700	6000	5450	4470	3630	5220
3	8500	2760	7480	6090	10900	17100	15600	6510	5160	3750	3060	4280
4	7330	2680	7630	5720	11000	15600	31300	7050	5450	3510	3150	3880
5	6410	2580	6640	5080	10100	13400	33500	9970	5690	2830	3540	3510
6	5660	2540	5720	4410	9490	11900	26500	13300	9140	2620	3970	3220
7	5100	3830	5340	5190	9690	10900	21300	13800	18800	2560	4200	2700
8	4770	4340	11500	5540	9250	10600	18900	20300	18100	2760	5340	2180
9	4360	4030	47800	7850	7410	9370	16200	17800	13000	2580	4680	2480
10	4150	3470	48500	13900	5780	8080	14300	15200	11400	2580	3800	3130
11	4390	3350	30300	17000	6640	8580	12800	13000	10300	2910	3020	2890
12	4500	3750	22300	21700	6510	8580	12000	11700	10100	3100	3100	3060
13	4440	5940	18500	27800	6030	8460	10600	14200	13800	3630	3040	3190
14	3800	12900	16100	25000	6410	8780	9890	19900	19300	7120	2850	2640
15	3490	12400	13300	19500	6570	8500	9730	19200	14700	9450	2740	3040
16	4130	10700	12300	16000	6410	7890	9020	17700	12300	8040	2720	2950
17	4960	9210	14200	14800	5690	6830	8460	17600	11800	6730	2850	2870
18	5910	8150	13900	12400	6730	7590	7850	15100	10300	5190	3130	2580
19	5810	7630	12000	11100	7740	7810	7630	13100	9140	4910	3100	2600
20	4500	7050	10600	11400	7960	20400	7300	12600	8390	4630	2870	2830
21	3730	7630	9930	10600	7480	42400	7190	11200	7330	5600	2700	2790
22	3880	10100	8580	9060	6800	32600	7590	10000	5630	7850	2580	2870
23	4200	10100	7630	8780	6600	25800	7050	9730	4910	8310	2700	4340
24	3750	8150	8000	8460	15000	21900	6830	10300	5020	5970	2830	7770
25	3490	7410	8150	8700	63900	22700	7810	8660	4360	10000	4550	15300
26	3420	7660	8000	11500	66100	22900	9020	8150	3680	9410	5220	30900
27	3060	7330	8460	15200	47100	21000	7960	6800	3590	7930	4410	26700
28	3040	6510	7770	14400	33500	18200	7050	6700	3830	6470	3780	22200
29	3100	5970	6670	13100	---	14900	6770	5540	4990	6030	3040	16600
30	3190	5810	6220	14400	---	14300	6470	5160	4680	5190	2970	13800
31	2970	---	6670	16400	---	14800	---	5280	---	4340	5510	---
TOTAL	154740	189840	401470	373980	414290	488970	374020	357580	265850	164730	109110	212430
MEAN	4992	6328	12950	12060	14800	15770	12470	11530	8862	5314	3520	7081
MAX	14000	12900	48500	27800	66100	42400	33500	20300	19300	10000	5510	30900
MIN	2970	2540	5220	4410	5690	6830	6470	5160	3590	2560	2580	2180
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 3244900 MEAN 8890 MAX 48500 MIN 1820 CFSM - IN. -
WTR YR 1975 TOTAL 3507010 MEAN 9608 MAX 66100 MIN 2180 CFSM - IN. -

01446600 Martins Creek near East Bangor, Pa.

LOCATION.--Lat 40°54'00", long 75°12'08", Northampton County, at right downstream end of bridge on township road, 100 ft (30 m) downstream from confluence of East Fork and West Fork, 1.8 mi (2.9 km) northwest of East Bangor.

DRAINAGE AREA.--10.4 mi^2 (26.9 km^2).

PERIOD OF RECORD.--August 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 663.92 ft (202.363 m) above mean sea level.

AVERAGE DISCHARGE.--14 years, 16.0 ft^3/s (0.45 m^3/s), 20.89 in/yr (531 mm/yr).

EXTREMES.--Current year: Maximum discharge, 842 ft^3/s (23.8 m^3/s) July 25 (gage height, 3.61 ft or 1.100 m), from rating curve extended as explained below; minimum, 1.4 ft^3/s (0.040 m^3/s) Aug. 23, 24; minimum gage height, 1.52 ft (0.463 m) July 12.
Period of record: Maximum discharge, 1,620 ft^3/s (45.9 m^3/s) Apr. 2, 1970 (gage height, 3.89 ft or 1.186 m), from rating curve extended above 210 ft^3/s (5.9 m^3/s) on basis of contracted-opening and flow over embankment measurements at gage height, 3.87 ft (1.180 m); no flow at times.

REMARKS.--Records good except those for winter periods, which are fair. Diversion above station for irrigation.

REVISIONS (WATER YEARS).--WRD Penna. 1967: 1962, 1964(M), 1965, 1966(M). WRD Penna. 1970: 1969(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	4.2	3.1	12	21	25	19	9.8	12	10	5.4	4.3
2	7.9	4.8	21	15	16	22	15	17	8.8	5.2	4.0	3.2
3	5.9	5.5	27	11	12	17	208	17	5.2	3.6	3.9	2.9
4	4.5	4.5	16	9.8	10	13	141	53	4.2	3.6	4.7	2.4
5	3.4	4.8	7.2	9.3	11	12	45	95	7.5	2.7	9.4	2.1
6	2.6	6.3	6.2	7.6	11	11	31	41	69	2.6	10	3.1
7	2.7	5.9	5.6	7.3	9.2	13	24	49	99	2.7	16	2.6
8	3.4	6.3	208	7.2	8.4	15	20	37	37	2.3	9.0	2.3
9	2.7	5.2	189	105	7.6	11	18	23	16	2.1	5.2	2.4
10	2.4	4.5	53	81	7.0	9.0	16	19	11	2.1	4.0	2.0
11	2.4	3.1	27	53	7.4	8.0	15	17	8.3	1.8	3.4	1.9
12	2.4	6.7	21	49	6.6	8.0	14	15	31	1.7	2.7	5.8
13	2.9	26	18	50	6.2	17	13	20	54	8.8	2.4	8.7
14	3.4	20	16	35	5.8	13	12	25	27	56	2.4	4.5
15	3.6	12	15	22	5.6	11	10	19	15	64	2.1	3.1
16	21	8.8	31	17	5.6	10	12	19	12	28	2.9	2.4
17	37	7.5	62	15	8.0	12	11	17	12	18	3.3	2.4
18	18	5.9	31	15	28	16	9.8	13	9.8	9.8	2.8	2.3
19	9.8	4.8	19	15	47	29	15	12	21	5.6	2.1	8.1
20	6.3	6.3	16	13	45	229	15	9.8	37	14	1.8	10
21	5.5	12	14	12	30	81	10	8.8	14	52	1.7	7.6
22	4.2	12	13	11	25	40	7.9	7.9	7.5	19	1.7	9.5
23	3.4	6.7	12	9.8	40	34	6.7	7.5	5.5	7.6	1.5	25
24	4.2	5.2	11	9.6	138	32	12	7.0	4.5	8.4	9.0	226
25	4.2	5.2	16	38	153	43	35	6.7	3.4	585	145	218
26	4.8	4.8	21	97	63	29	35	6.3	3.1	107	28	88
27	5.5	4.2	13	45	38	20	20	5.5	3.6	28	11	48
28	4.5	3.4	12	27	28	17	13	4.5	9.8	16	5.5	28
29	3.4	3.2	9.8	48	---	17	10	3.1	17	11	3.0	18
30	3.4	3.1	9.3	64	---	28	9.3	6.7	32	7.8	6.6	13
31	3.6	---	8.3	35	---	29	---	12	---	6.7	7.0	---
TOTAL	204.0	212.9	931.5	945.6	793.4	871.8	822.7	603.6	599.2	1093.1	317.5	753.6
MEAN	6.58	7.10	30.0	30.5	28.3	28.1	27.4	19.5	20.0	35.3	10.2	25.1
MAX	37	26	208	105	153	229	208	95	99	585	145	226
MIN	2.4	3.1	3.1	7.2	5.6	8.0	6.7	3.1	3.1	1.7	1.5	1.9
CFSM	.63	.68	2.88	2.93	2.72	2.70	2.63	1.88	1.92	3.39	.98	2.41
IN.	.73	.76	3.33	3.38	2.84	3.12	2.94	2.16	2.14	3.91	1.14	2.70

CAL YR 1974 TOTAL 6182.75 MEAN 16.9 MAX 208 MIN .53 CFSM 1.63 IN 22.12
WTR YR 1975 TOTAL 8148.90 MEAN 22.3 MAX 585 MIN 1.5 CFSM 2.14 IN 29.15

PEAK DISCHARGE (BASE, 135 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	2100	3.32	441	4- 3	1815	3.27	394
1- 9	1730	2.82	158	7-25	1015	3.61	842
2-24	2230	3.01	226	9-24	2100	3.31	430
3-20	0915	3.15	302				

01446700 Delaware River at Easton, Pa.

LOCATION.--Lat 40°42'43", long 75°11'48", Northampton County, on right bank 200 ft (61 m) upstream from city of Easton pumping station, 1.2 mi (1.9 km) upstream from Bushkill Creek at Easton.

DRAINAGE AREA.--4,636 mi^2 (12,007 km^2).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 157.84 ft (48.110 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 8,937 ft^3/s (253.1 m^3/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 76,700 ft^3/s (2,170 m^3/s) Feb. 25 (gage height, 22.12 ft or 6.742 m); minimum daily, 2,610 ft^3/s (73.9 m^3/s) Sept. 8.
Period of record: Maximum discharge, about 100,000 ft^3/s (2,830 m^3/s) Dec. 22, 1973; minimum, 1,640 ft^3/s (46.4 m^3/s) Aug. 16, 1971 (gage height, 3.87 ft or 1.180 m).

REMARKS.--Records good. Diurnal fluctuation at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack (see p.129) and by Cannonsville, Pepacton, Swinging Bridge, Toronto, Cliff Lake, and Neversink Reservoirs about 100 mi (161 km) upstream (see New York Annual Report) and smaller reservoirs. Diversion from Cannonsville, Pepacton, and Neversink Reservoirs (see New York Annual Report). Records of water quality for current year are published on p.175.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14600	3470	5830	7520	15700	28000	15200	6560	6140	4760	4650	9300
2	12000	3530	6510	6780	13500	23000	13300	6490	6020	4920	4350	6030
3	9550	3390	8050	6460	11700	18000	16800	6960	5610	4320	3650	4770
4	8230	3280	8400	6320	11500	16500	31500	7540	5900	4040	3780	4400
5	6900	3090	7440	5740	10700	13700	34300	10100	6270	3570	4000	4050
6	6180	3090	6410	5010	10100	12500	27300	13900	9350	3080	4480	3770
7	5730	4050	5960	5450	10100	11500	22300	14000	19300	3070	4680	3410
8	5010	4700	11600	6070	9940	11000	19800	20700	19400	3060	5710	2610
9	4700	4690	45600	6630	8170	9400	17000	18600	14100	3290	5310	2650
10	4400	4280	48900	14300	6670	8200	15000	15900	11900	2940	4580	3470
11	4550	4100	32200	17800	6850	8800	13500	13700	10800	3290	3610	3280
12	4800	4170	23700	21600	7220	8920	12500	12200	10600	3570	3460	3460
13	4750	6030	19500	28800	6640	8860	11200	13900	13700	4160	3650	3670
14	4200	12900	16800	26000	6900	9110	10500	20400	20100	7710	3370	3190
15	3750	13300	14100	20500	7230	8960	10200	20100	15600	10400	3230	3290
16	4500	11300	13000	16700	7120	8420	9480	18500	12900	9030	3290	3200
17	5420	9900	15100	15400	6500	7460	8980	18100	12300	7630	3310	3290
18	6270	8820	14600	13300	7050	7820	8340	15800	10900	5930	3460	3040
19	6610	8290	12900	12000	8370	8290	8170	13800	9790	5410	3670	3000
20	5410	7750	11300	12000	8760	21100	7810	13300	9130	5730	3640	3160
21	4400	8020	10500	11200	8210	42300	7590	11900	8110	6580	2850	3330
22	4290	10500	9240	9820	7690	33800	8040	10500	6460	8340	3070	3220
23	4800	10800	8260	9320	7250	26600	7590	10100	5530	9330	3060	4530
24	4500	8870	8410	9120	12600	22800	7330	10900	5290	6710	3240	9070
25	3990	8070	8610	9180	65000	23300	8210	9240	5200	13500	5380	17200
26	4030	8290	8580	12000	69000	23600	9400	8720	4170	10900	5720	30800
27	3680	8010	8870	15800	50000	21500	8560	7470	4070	9850	5050	28800
28	3610	7240	8380	15400	37000	18800	7620	7120	4170	7440	4460	23700
29	3570	6620	7440	13900	---	15500	7300	6190	5450	6760	3690	17900
30	3710	6420	6820	15000	---	14700	7020	5680	5290	6030	3490	14500
31	3550	---	7020	17300	---	15200	---	5830	---	4940	5170	---
TOTAL	171690	206970	420030	392420	437470	507640	391840	374200	283550	189490	125060	230090
MEAN	5538	6899	13550	12660	15620	16380	13060	12070	9452	6113	4034	7670
MAX	14600	13300	48900	28800	69000	42300	34300	20700	20100	13500	5720	30800
MIN	3550	3090	5830	5010	6500	7460	7020	5680	4070	2940	2850	2610
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 3382200 MEAN 9266 MAX 48900 MIN 2000 CFSM - IN. -
WTR YR 1975 TOTAL 3730450 MEAN 10220 MAX 69000 MIN 2610 CFSM - IN. -

01447500 Lehigh River at Stoddartsville, Pa.

LOCATION.--Lat 41°07'49", long 75°37'33", Monroe County, on left bank 75 ft (23 m) upstream from bridge on State Highway 115, at Stoddartsville, 1.9 mi (3.1 km) upstream from Tobyhanna Creek, and 4 mi (6 km) southwest of Thornhurst.

DRAINAGE AREA.--91.7 mi^2 (237.5 km^2).

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,463.81 ft (446.169 m) above mean sea level. Prior to Oct. 1, 1946, nonrecording gage at site 350 ft (110 m) downstream at datum 2.14 ft (0.652 m) lower.

AVERAGE DISCHARGE.--32 years, 185 ft^3/s (5.24 m^3/s), 27.40 in/year (696 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,150 ft^3/s (60.9 m^3/s) Feb. 25 (gage height, 4.87 ft or 1.484 m); minimum, 39 ft^3/s (1.10 m^3/s) Sept. 8 (gage height, 0.61 ft or 0.186 m).

Period of record: Maximum discharge, 31,900 ft^3/s (903 m^3/s) Aug. 19, 1955 (gage height, 16.37 ft or 4.990 m, from floodmarks), from rating curve extended above 1,700 ft^3/s (48 m^3/s) on basis of slope-area measurement of peak flow; minimum observed, 7.0 ft^3/s (0.20 m^3/s) Sept. 26, 27, 1964 (gage height, 0.22 ft or 0.067 m).

Flood of May 22, 1942 reached a stage of 12.03 ft (3.667 m), from floodmark, present site and datum (discharge, 15,700 ft^3/s or 445 m^3/s).

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1382: 1947, 1951.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	72	117	176	249	443	310	143	147	157	62	64
2	197	72	215	168	222	369	274	186	142	123	57	56
3	172	71	227	156	206	318	353	183	170	108	53	50
4	154	78	181	148	160	240	453	229	164	110	50	44
5	142	100	150	142	170	220	429	310	186	96	49	40
6	132	110	135	130	170	190	351	272	637	85	65	45
7	123	92	125	125	150	200	304	361	595	78	121	44
8	119	82	1020	120	130	250	277	304	391	75	94	40
9	112	76	1430	332	120	190	263	253	286	72	78	57
10	108	74	821	398	110	170	246	226	227	80	64	49
11	104	72	553	472	120	160	226	207	181	78	60	43
12	102	110	438	618	110	160	209	276	262	68	72	59
13	100	320	374	540	100	208	191	536	370	96	62	73
14	96	260	310	434	95	204	179	1190	269	246	59	56
15	96	210	270	330	90	180	172	732	224	237	53	48
16	154	170	340	280	88	170	170	682	197	170	56	41
17	195	150	440	240	110	160	163	554	183	186	57	43
18	157	140	380	200	185	201	158	442	157	132	55	41
19	130	130	310	220	199	326	176	379	157	104	50	56
20	115	144	275	200	187	1160	163	326	233	144	46	68
21	106	209	250	180	163	898	147	286	164	221	43	68
22	100	192	234	160	156	604	134	286	132	164	43	59
23	93	159	215	150	236	502	126	324	117	123	43	89
24	88	152	212	140	1090	453	152	262	110	98	46	292
25	88	162	248	222	1920	453	204	235	115	221	52	1100
26	96	152	254	440	1140	387	223	214	112	149	52	774
27	92	137	215	334	725	321	178	190	112	108	50	568
28	86	132	196	267	531	286	154	167	272	93	46	387
29	82	126	181	282	---	266	142	148	362	82	41	281
30	78	119	177	352	---	358	134	145	224	73	83	223
31	74	---	174	293	---	373	---	151	---	67	83	---
TOTAL	3737	4073	10467	8249	8932	10420	6661	10199	6898	3836	1845	4818
MEAN	121	136	338	266	319	336	222	329	230	124	59.5	161
MAX	246	320	1430	618	1920	1160	453	1190	637	246	121	1100
MIN	74	71	117	120	88	160	126	143	110	67	41	40
CFSM	1.32	1.48	3.69	2.90	3.48	3.66	2.42	3.59	2.51	1.35	.65	1.76
IN.	1.52	1.65	4.25	3.35	3.62	4.23	2.70	4.14	2.80	1.56	.75	1.95

CAL YR 1974 TOTAL 73403 MEAN 201 MAX 1430 MIN 30 CFSM 2.19 IN 29.78
WTR YR 1975 TOTAL 80135 MEAN 220 MAX 1920 MIN 40 CFSM 2.40 IN 32.51

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	2230	4.54	1,910	5-14	0530	3.80	1,420
2-25	0530	4.87	2,150	9-25	1230	3.76	1,400
3-20	1530	3.61	1,310				

01447680 Tunkhannock Creek near Long Pond, Pa.

LOCATION.--Lat 41°03'55", long 75°31'14", Monroe County, on left bank, 0.6 mi (1.0 km) downstream from unnamed tributary, 0.9 mi (1.4 km) downstream from bridge on Legislative Route 45040, 3 mi (5 km) west of Long Pond, and 5 mi (8 km) upstream from mouth.

DRAINAGE AREA.--18.0 mi^2 (46.6 km^2). At site used prior to July 7, 1966, 16.8 mi^2 (43.5 km^2).

PERIOD OF RECORD.--March 1965 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 1,800 ft (550 m), from topographic map. Prior to July 7, 1966, nonrecording gage at site 0.9 mi (1.4 km) upstream at different datum.

AVERAGE DISCHARGE.--10 years, 44.6 ft^3/s (1.26 m^3/s), 33.65 in/yr (855 mm/yr), adjusted for diversion since October 1969.

EXTREMES.--Current year: Maximum discharge, 311 ft^3/s (8.81 m^3/s) Dec. 8 (gage height, 3.53 ft or 1.076 m); minimum, 10 ft^3/s (0.28 m^3/s) Dec. 3 (gage height, 2.13 ft or 0.649 m).
Period of record: Maximum discharge, 480 ft^3/s (13.6 m^3/s) July 30, 1969 (gage height, 4.34 ft or 1.323 m); minimum, 3.0 ft^3/s (0.085 m^3/s) Mar. 11, 1969 (gage height, 1.84 ft or 0.561 m).

REMARKS.--Records good except those for winter periods, which are fair. Diversion above station, since October 1969, to Wild Creek Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	18	20	32	59	90	80	42	44	47	25	23
2	50	19	22	26	51	76	72	54	41	38	23	21
3	37	20	23	25	46	66	95	57	39	28	21	18
4	32	21	23	24	48	56	135	69	36	27	20	17
5	28	23	22	24	41	49	129	115	45	26	21	16
6	25	27	21	23	43	44	100	106	98	24	23	16
7	22	23	21	23	40	48	76	97	112	23	26	15
8	21	17	204	30	33	54	70	81	88	23	35	14
9	21	17	305	67	29	44	66	65	62	22	35	14
10	20	18	244	106	26	38	66	56	46	23	30	14
11	20	17	148	131	28	36	60	53	39	23	26	14
12	20	21	107	162	26	35	56	52	48	23	23	17
13	19	61	60	152	24	42	53	73	73	41	23	17
14	20	77	46	113	22	45	52	100	62	85	22	24
15	20	61	43	80	21	40	50	88	47	120	20	18
16	26	43	44	68	20	38	49	76	40	115	19	16
17	37	34	65	58	25	39	49	72	40	94	19	15
18	38	34	54	50	46	44	52	61	37	73	19	14
19	35	36	43	54	50	58	59	55	36	55	19	16
20	28	29	39	49	57	242	56	51	49	48	19	19
21	24	31	37	43	53	210	47	48	47	43	19	20
22	23	30	35	39	45	150	45	56	36	40	17	17
23	21	33	33	36	50	120	41	61	30	36	16	22
24	20	28	34	35	152	110	44	66	27	34	16	78
25	20	25	36	55	268	100	67	63	26	43	19	170
26	20	24	37	83	223	88	76	54	32	52	24	150
27	19	22	36	81	166	76	64	46	39	48	23	131
28	20	21	32	65	119	68	52	43	55	40	22	108
29	19	22	30	62	---	66	45	40	75	34	19	88
30	19	21	29	80	---	68	40	39	65	30	20	66
31	19	---	30	74	---	96	---	44	---	27	23	---
TOTAL	807	873	1923	1950	1815	2356	1946	2003	1514	1380	688	1182
MEAN	26.0	29.1	62.0	62.9	64.8	76.0	64.9	64.6	50.5	44.5	22.2	39.4
MAX	64	77	305	162	268	242	135	115	112	120	35	170
MIN	19	17	20	23	20	35	40	39	26	22	16	14
(/)	.51	.51	11.6	1.48	.64	.65	.60	.59	.57	.54	.47	.48
MEAN#	26.5	29.6	73.6	64.4	65.4	76.6	65.5	65.2	51.1	45.0	22.7	39.9
CFSM#	1.47	1.64	4.09	3.58	3.63	4.26	3.64	3.62	2.84	2.50	1.26	2.22
IN.#	1.70	1.83	4.72	4.13	3.78	4.91	4.06	4.17	3.17	2.88	1.45	2.48

CAL YR 1974 TOTAL 16230 MEAN 44.5 MAX 305 MIN 10 MEAN# 45.9 CFSM# 2.55 IN.# 34.63
WTR YR 1975 TOTAL 18437 MEAN 50.5 MAX 305 MIN 14 MEAN# 52.1 CFSM# 2.89 IN.# 39.28

PEAK DISCHARGE (BASE, 170 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	2100	3.53	311	3-20	Unk.	3.35	260
2-25	0700	3.42	281	9-26	Unk.	3.12	188

NOTE.--No gage-height record Mar. 3 to April 3.
/ Diversion above station to Wild Creek basin, equivalent in cubic feet per second, furnished by city of Bethlehem.
Adjusted for diversion.

01447720 Tobyhanna Creek near Blakeslee, Pa.

LOCATION.--Lat 41°05'05", long 75°36'21", Carbon County, on left bank 50 ft (15 m) downstream from bridge on State Highway 940, 500 ft (150 m) downstream from Shingle Mill Run, and 1.5 mi (2.4 km) southwest of Blakeslee.

DRAINAGE AREA.--118 mi^2 (306 km^2).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,511.23 ft (460.623 m) above mean sea level. Prior to Jan. 16, 1962, nonrecording gage at site 50 ft (15 m) upstream at same datum.

AVERAGE DISCHARGE.--14 years, 245 ft^3/s (6.94 m^3/s) 28.20 in/yr (716 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,140 ft^3/s (117 m^3/s) Dec. 8 (gage height, 8.39 ft or 2.557 m); minimum, 67 ft^3/s (1.90 m^3/s) Aug. 22, 23, Sept. 8 (gage height, 1.98 ft or 0.604 m).

Period of record: Maximum discharge, 6,760 ft^3/s (191 m^3/s) July 29, 1969 (gage height, 10.69 ft or 3.258 m), from rating curve extended above 4,200 ft^3/s (120 m^3/s) on basis of slope-area measurement at gage height, 19.41 ft (5.916 m); minimum, 22 ft^3/s (0.62 m^3/s) Sept. 24, 25, 1964 (gage height, 1.51 ft or 0.460 m).

Flood of Aug. 19, 1955, reached a stage of 19.41 ft (5.916 m) from floodmark (discharge, 35,300 ft^3/s or 1,000 m^3/s, by slope-area measurement).

REMARKS.--Records good except those for winter periods, which are fair. Occasional regulation by Pocono Lake about 5.0 mi (8.0 km) upstream and minor diversion from Tunkhannock Creek basin into Wild Creek basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	116	135	236	366	504	407	214	206	280	99	139
2	325	116	191	218	308	420	350	203	196	196	93	110
3	248	116	206	200	269	365	606	291	191	165	88	95
4	213	118	174	190	240	310	867	404	184	158	88	84
5	196	148	153	180	250	280	651	651	234	141	90	76
6	186	162	135	180	256	260	512	543	665	126	106	78
7	176	153	130	170	230	260	410	568	746	116	163	76
8	164	139	2540	170	200	291	365	466	485	108	163	72
9	155	133	2910	523	190	240	338	362	329	110	141	84
10	146	129	1560	750	180	220	317	306	245	122	118	86
11	142	126	923	956	190	200	294	275	199	112	104	78
12	135	155	656	1300	170	200	275	326	245	112	97	100
13	135	531	483	1090	160	266	256	804	359	277	95	132
14	135	472	410	791	150	280	242	1350	314	849	91	116
15	135	335	369	520	140	230	234	845	250	890	84	95
16	198	245	459	420	140	210	234	660	211	656	88	83
17	286	211	618	370	170	220	232	556	196	445	88	76
18	257	196	525	320	268	258	229	441	177	320	88	76
19	208	191	407	354	313	647	277	381	181	245	83	91
20	176	213	343	320	310	2180	266	335	237	242	78	110
21	157	257	304	280	264	1500	232	300	204	261	72	112
22	146	251	285	260	243	965	204	303	163	226	72	99
23	144	208	264	240	343	705	186	384	141	186	70	139
24	142	196	261	230	1670	585	209	323	128	160	76	543
25	142	196	300	334	2580	576	323	283	124	201	102	1180
26	146	193	321	602	1470	512	404	247	149	209	112	980
27	142	167	287	534	940	410	326	232	154	179	116	894
28	133	150	254	409	656	356	256	209	359	152	99	602
29	124	139	234	411	---	338	224	184	665	132	84	400
30	120	131	226	521	---	424	199	179	452	114	124	291
31	120	---	225	460	---	477	---	194	---	104	174	---
TOTAL	5596	5893	16288	13539	12666	14089	9925	12899	8389	7594	3146	7097
MEAN	181	196	525	437	452	474	331	416	280	245	101	237
MAX	464	531	2910	1300	2580	2180	867	1350	746	890	174	1180
MIN	120	116	130	170	140	200	186	179	124	104	70	72
CFSM	1.53	1.66	4.45	3.70	3.83	4.02	2.81	3.53	2.37	2.08	.86	2.01
IN.	1.76	1.86	5.13	4.27	3.99	4.63	3.13	4.07	2.64	2.39	.99	2.24

CAL YR 1974 TOTAL 107884 MEAN 293 MAX 2910 MIN 50 CFSM 2.48 IN 33.76
WTR YR 1975 TOTAL 117721 MEAN 323 MAX 2910 MIN 70 CFSM 2.74 IN 37.11

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1800	8.39	4,140	3-20	1000	7.01	2,470
2-25	0400	7.36	2,920	5-13	2100	5.87	1,620

01447800 Lehigh River below Francis E. Walter Lake near White Haven, Pa.

LOCATION.--Lat 41°06'17", long 75°43'57", Luzerne County, on right bank 0.7 mi (1.1 km) downstream from Francis E. Walter Lake, 2.0 mi (3.2 km) upstream from Fawn Run, and 4 mi (6.4 km) northeast of White Haven.

DRAINAGE AREA.--290 mi^2 (751 km^2).

PERIOD OF RECORD.--October 1957 to current year. Prior to October 1962 published as "below Bear Creek Reservoir", October 1962 to September 1971 published as "below Francis E. Walter Reservoir".

GAGE.--Water-stage recorder. Datum of gage is 1,212.95 ft (369.707 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--18 years, 593 ft^3/s (16.8 m^3/s), 27.77 in/yr (705 mm/yr), adjusted for storage since February 1961.

EXTREMES.--Current year: Maximum discharge, 4,520 ft^3/s (128 m^3/s) Feb. 2 (gage height, 6.75 ft or 2.057 m); minimum, 79 ft^3/s (2.24 m^3/s) Sept. 21 (gage height, 2.70 ft or 0.823 m).

Period of record: Maximum discharge, 13,800 ft^3/s (391 m^3/s) Dec. 21, 1957 (gage height, 9.85 ft or 3.002 m), from rating curve extended above 6,100 ft^3/s (170 m^3/s); minimum, 1.3 ft^3/s (0.037 m^3/s) Nov. 14, 1961, result of shutoff at lake; minimum gage height, 1.86 ft (0.567 m) Sept. 16, 1964; minimum daily discharge, 22 ft^3/s (0.62 m^3/s) July 20-23, 1965.

Maximum discharge known, 54,200 ft^3/s (1,530 m^3/s) Aug. 19, 1955, based on slope-area measurement at site 4.9 mi (7.9 km) downstream.

REMARKS.--Records good. Flow regulated by Francis E. Walter Lake 0.7 mi (1.1 km) upstream since February 1961 (see p. 129).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1040	266	357	533	870	2840	1070	324	505	738	139	279
2	895	239	484	496	827	2600	958	504	440	425	158	220
3	625	239	685	466	663	1840	1230	687	397	338	169	175
4	454	242	641	460	399	852	1840	755	400	403	244	138
5	460	242	415	449	484	754	1760	1100	578	303	310	117
6	438	246	357	352	599	738	976	1330	2070	246	310	119
7	404	279	357	323	592	707	985	1260	2410	247	351	119
8	404	300	1320	420	553	707	904	1120	1230	249	297	119
9	373	300	3150	913	533	685	852	902	824	247	248	159
10	314	296	4290	1510	426	559	738	772	778	249	249	189
11	301	319	3960	1620	372	490	663	678	555	250	246	185
12	301	333	2860	2330	426	606	641	686	751	219	183	162
13	362	723	1340	2130	449	620	634	1790	889	337	140	127
14	297	958	931	1510	443	586	572	2490	892	1180	142	130
15	150	620	922	1070	437	599	514	2100	774	1270	276	130
16	258	472	1090	931	426	586	514	1660	584	883	472	156
17	620	472	1370	861	431	508	521	1570	444	742	119	169
18	648	559	1140	778	579	496	514	1620	403	639	122	150
19	606	553	922	770	707	738	521	1410	405	652	124	367
20	454	466	895	707	670	1370	540	929	663	571	124	598
21	309	678	836	634	613	1960	533	728	623	715	124	230
22	213	634	778	627	586	2260	508	669	399	798	159	84
23	278	527	521	620	592	2230	466	879	341	517	178	269
24	300	527	572	540	976	2350	377	749	292	363	178	569
25	300	527	655	648	2040	2620	478	673	294	524	178	694
26	300	472	692	1080	3290	2580	692	667	399	613	178	2000
27	300	472	685	1270	3980	1720	802	462	395	467	178	3580
28	300	472	648	976	3740	976	770	399	529	425	178	2840
29	300	399	606	827	---	852	627	404	1230	347	178	1700
30	296	357	460	1060	---	887	333	403	952	251	213	999
31	296	---	472	985	---	1080	---	482	---	159	279	---
TOTAL	12588	13189	34411	27896	26703	38396	22533	30202	21446	15367	6444	16773
MEAN	406	440	1110	900	954	1239	751	974	715	496	208	559
MAX	1040	958	4290	2330	3980	2840	1840	2490	2410	1270	472	3580
MIN	150	239	357	323	372	490	333	324	292	159	119	84
MEAN#	400	442	1109	903	1087	1122	741	979	718	491	208	560
CFSM#	1.38	1.52	3.82	3.11	3.75	3.87	2.56	3.38	2.48	1.69	.72	1.93
IN.#	1.59	1.70	4.40	3.58	3.90	4.46	2.86	3.90	2.77	1.95	.83	2.15

CAL YR 1974 TOTAL 247059 MEAN 677 MAX 4290 MIN 58 MEAN# 669 CFSM# 2.31 IN.# 31.32
WTR YR 1975 TOTAL 265948 MEAN 729 MAX 4290 MIN 84 MEAN# 729 CFSM# 2.51 IN.# 34.09

Adjusted for change in contents in Francis E. Walter Lake.

01448500 Dilldown Creek near Long Pond, Pa.

LOCATION.--Lat 41°02'08", long 75°32'37", Monroe County, on left bank 60 ft (18 m) upstream from bridge on Shucks Mill Road, 2.8 mi (4.5 km) upstream from Mud Run, 4 mi (6 km) northeast of Albrightsville, and 4.4 mi (7.1 km) west of Long Pond.

DRAINAGE AREA.--2.39 mi^2 (6.19 km^2).

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,665.07 ft (507.513 m) above mean sea level.

AVERAGE DISCHARGE.--27 years, 4.83 ft^3/s (0.137 m^3/s), 27.44 in/yr (697 mm/yr).

EXTREMES.--Current year: Maximum discharge, 132 ft^3/s (3.74 m^3/s) Dec. 8 (gage height, 2.65 ft or 0.808 m); minimum, 1.3 ft^3/s (0.037 m^3/s) Sept. 10, 17, 22 (gage height, 1.14 ft or 0.347 m).
Period of record: Maximum discharge, 630 ft^3/s (17.8 m^3/s) June 14, 1969 (gage height, 3.995 ft or 1.218 m), from rating curve extended above 300 ft^3/s (8.50 m^3/s) on basis of culvert and flow-over-dam computations of peak flow; minimum, 0.10 ft^3/s (0.003 m^3/s) Dec. 10, 1964 (gage height, 0.55 ft or 0.168 m).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1392: 1949(M), 1950-53.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	2.0	2.4	4.6	6.2	11	7.1	4.8	5.6	5.1	2.8	1.8
2	2.8	2.0	4.0	4.2	5.9	9.4	6.6	5.9	4.8	4.5	2.6	1.7
3	2.8	2.1	3.2	4.1	5.4	8.4	23	4.4	4.8	4.5	3.2	1.6
4	2.6	2.1	2.6	4.0	5.0	7.4	14	13	4.2	4.6	3.8	1.5
5	2.6	2.3	2.5	3.8	5.2	6.8	9.6	12	8.9	4.0	3.6	1.5
6	2.5	2.1	2.4	3.5	5.4	6.7	8.9	9.6	19	3.8	5.5	1.7
7	2.5	2.0	2.7	3.5	5.0	6.8	8.2	13	10	3.8	5.9	1.5
8	2.5	1.9	70	3.6	4.6	7.7	7.8	8.7	7.2	3.6	3.4	1.5
9	2.4	1.9	21	20	4.5	5.8	7.3	7.7	5.9	4.1	2.7	2.0
10	2.3	1.9	12	9.7	4.0	5.4	6.8	7.2	5.1	4.0	2.5	1.4
11	2.3	1.8	9.9	22	4.1	5.2	6.6	6.8	5.0	3.4	3.6	1.4
12	2.3	4.6	9.1	16	4.0	5.8	6.2	8.3	11	4.2	3.4	3.0
13	2.2	9.2	8.2	14	4.0	7.0	5.8	14	8.7	7.0	2.6	1.8
14	2.4	3.3	8.0	11	3.8	5.6	5.4	14	5.8	18	2.5	1.4
15	2.3	3.1	7.2	9.1	3.6	5.0	5.4	8.9	5.1	21	2.2	1.4
16	5.1	2.8	12	8.2	3.9	4.6	5.3	9.9	5.3	11	2.6	1.4
17	3.6	2.8	12	7.4	4.6	5.6	5.0	8.1	5.0	9.4	2.6	1.4
18	2.6	2.6	8.2	7.1	6.5	6.3	5.4	7.4	4.4	8.2	2.8	1.4
19	2.4	2.7	7.0	7.1	4.7	20	7.2	7.0	6.6	7.6	2.0	2.2
20	2.4	3.5	6.5	6.5	5.4	39	5.0	6.4	9.4	7.5	1.9	1.7
21	2.2	3.8	6.3	5.7	4.3	16	4.5	6.1	4.6	7.3	1.8	1.5
22	2.2	2.8	6.0	5.5	4.6	13	4.2	14	4.0	5.5	1.8	1.4
23	2.2	2.6	5.5	5.4	9.0	12	4.0	12	3.8	4.8	1.7	3.4
24	2.2	2.8	6.1	5.3	38	12	5.9	8.1	3.8	4.9	3.0	8.9
25	2.2	3.0	7.8	9.5	39	11	8.5	7.4	3.6	13	5.6	15
26	2.2	2.6	6.3	12	18	9.1	7.8	6.7	6.8	5.6	2.1	12
27	2.1	2.5	5.2	6.6	14	7.7	4.8	6.2	7.0	4.4	1.8	9.6
28	2.1	2.6	5.0	5.8	12	7.3	4.4	5.3	11	4.0	1.6	7.2
29	2.0	2.5	4.6	9.1	---	7.3	4.2	4.8	8.0	3.6	1.6	6.3
30	2.0	2.4	4.8	9.7	---	12	4.0	5.5	6.5	3.3	3.2	5.9
31	2.0	---	4.6	6.8	---	8.4	---	5.6	---	3.1	2.1	---
TOTAL	77.1	84.5	273.1	250.8	236.7	295.3	208.9	258.8	200.9	198.8	89.1	104.5
MEAN	2.49	2.82	8.81	8.09	8.45	9.53	6.96	8.35	6.70	6.41	2.87	3.48
MAX	5.1	9.2	70	22	39	39	23	14	19	21	5.9	15
MIN	2.0	1.8	2.4	3.5	3.6	4.6	4.0	4.4	3.6	3.1	1.6	1.4
CFSM	1.04	1.18	3.69	3.38	3.54	3.99	2.91	3.49	2.80	2.68	1.20	1.46
IN.	1.20	1.31	4.25	3.90	3.68	4.59	3.25	4.03	3.13	3.09	1.39	1.63

CAL YR 1974 TOTAL 1704.87 MEAN 4.67 MAX 70 MIN .97 CFSM 1.95 IN 26.52
WTR YR 1975 TOTAL 2278.50 MEAN 6.24 MAX 70 MIN 1.4 CFSM 2.61 IN 35.45

PEAK DISCHARGE (BASE, 50 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1130	2.652	132	3-20	0700	2.232	56
2-24	2300	2.336	72				

01449360 Pohopoco Creek at Kresgeville, Pa.

LOCATION.--Lat 40°53'51", long 75°30'10", Monroe County, on right bank 20 ft (6 m) downstream from bridge on U.S. Highway 209 at Kresgeville, 0.2 mi (0.3 km) downstream from Middle Creek, and 13 mi (21 km) northeast of Lehighton.

DRAINAGE AREA.--49.9 mi^2 (129.2 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 659.72 ft (201.083 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 107 ft^3/s (3.03 m^3/s) 29.12 in/yr (740 mm/yr).

EXTREMES.--Current year: Maximum discharge, 923 ft^3/s (26.1 m^3/s) Dec. 8 (gage height, 6.92 ft or 2.109 m); minimum, 34 ft^3/s (0.96 m^3/s) Sept. 18 (gage height, 3.11 ft or 0.948 m).
Period of record: Maximum discharge, 2,080 ft^3/s (58.9 m^3/s) July 28, 1969 (gage height, 9.21 ft or 2.807 m), from rating curve extended above 800 ft^3/s (23 m^3/s); minimum, 16 ft^3/s (0.45 m^3/s) Oct. 9, 10, 1970 (gage height, 2.86 ft or 0.872 m).

REMARKS.--Records good. Records of water quality for the current year are published on p.182.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	50	54	104	177	253	135	98	84	185	85	47
2	87	48	95	100	165	220	127	111	78	161	82	45
3	83	48	87	91	152	194	320	100	76	148	79	43
4	80	48	74	90	140	174	376	149	72	137	96	42
5	78	50	70	87	140	161	292	174	104	123	101	41
6	75	49	70	83	137	151	244	165	203	113	104	42
7	74	46	73	87	130	145	212	167	130	112	115	40
8	71	47	581	82	119	143	189	150	108	105	82	38
9	70	44	691	206	113	126	172	140	99	123	76	39
10	69	44	403	202	105	121	159	134	93	119	73	36
11	65	43	295	217	101	119	149	128	92	95	71	35
12	63	54	241	207	101	121	139	131	151	99	69	45
13	62	110	206	242	97	120	131	164	187	139	65	41
14	61	67	186	219	92	110	124	158	143	255	65	36
15	61	65	165	195	88	106	119	136	137	211	58	34
16	96	61	213	183	88	97	116	148	137	175	55	34
17	87	59	262	172	92	103	106	134	132	159	63	34
18	68	59	221	161	116	100	108	128	117	143	60	33
19	63	58	200	155	133	165	116	126	113	134	57	44
20	61	63	182	149	132	456	102	123	122	132	50	41
21	58	69	167	132	119	368	94	110	100	128	48	40
22	57	64	155	125	118	289	90	116	94	113	49	35
23	57	59	142	118	163	248	88	113	94	105	47	60
24	56	59	135	113	488	225	98	104	61	106	63	211
25	55	58	142	145	754	215	130	100	81	263	72	296
26	55	57	130	186	496	181	119	95	90	141	52	248
27	53	55	118	147	354	163	100	93	87	118	49	206
28	51	56	112	139	292	155	99	92	338	108	45	169
29	51	55	106	185	---	150	98	85	374	100	44	146
30	50	54	102	198	---	176	96	90	240	94	63	132
31	50	---	96	186	---	150	---	87	---	89	51	---
TOTAL	2055	1699	5774	4706	5189	5505	4452	3849	3957	4233	2094	2333
MEAN	66.3	56.6	186	152	185	178	148	124	132	137	67.7	77.8
MAX	96	110	691	242	754	456	376	174	374	263	115	296
MIN	50	43	54	82	88	97	88	85	72	89	44	33
CFSM	1.33	1.13	3.73	3.05	3.71	3.57	2.97	2.48	2.65	2.75	1.36	1.56
IN.	1.53	1.27	4.30	3.51	3.87	4.10	3.32	2.87	2.95	3.16	1.56	1.74

CAL YR 1974 TOTAL 41798 MEAN 115 MAX 691 MIN 31 CFSM 2.30 IN 31.16
WTR YR 1975 TOTAL 45851 MEAN 126 MAX 754 MIN 33 CFSM 2.53 IN 34.18

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	2330	6.92	923	3-20	0830	5.59	500
2-24	2245	6.72	847	6-28	2145	6.80	875

01449500 Wild Creek at Hatchery, Pa.

LOCATION.--Lat 40°55'22", long 75°33'32", Carbon County, on left bank at Hatchery, 0.5 mi (0.8 km) downstream from Penn Forest Dam, 2.2 mi (3.5 km) upstream from Wild Creek Dam, 4 mi (6 km) upstream from mouth, and 9.5 mi (15.3 km) northeast of Palmerton.

DRAINAGE AREA.--16.8 mi^2 (43.5 km^2).

PERIOD OF RECORD.--October 1940 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 842.71 ft (256.858 m) above mean sea level.

AVERAGE DISCHARGE.--35 years, 35.5 ft^3/s (1.01 m^3/s), 28.70 in/yr (729 mm/yr), adjusted for storage since January 1959.

EXTREMES.--Current year: Maximum discharge, 251 ft^3/s (7.11 m^3/s) Feb. 25 (gage height, 3.20 ft or 0.975 m); minimum, 3.6 ft^3/s (0.10 m^3/s) Sept. 16, 17, 18 (gage height, 1.50 ft or 0.457 m).
Period of record: Maximum discharge, 2,360 ft^3/s (66.8 m^3/s) May 23, 1942 (gage height, 6.00 ft or 1.829 m), from rating curve extended above 220 ft^3/s (6.2 m^3/s) on basis of contracted-opening measurement at gage height, 5.59 ft (1.704 m); minimum, 1.0 ft^3/s (0.028 m^3/s) Aug. 3-6, Oct. 2, 1958, Oct. 24, 1969 (result of regulation).

REMARKS.--Records fair. Flow completely regulated since January 1959 by Penn Forest Reservoir located 0.5 mi (0.8 km) upstream (see p.129).

REVISIONS (WATER YEARS).--WSP 1051: Drainage area. WSP 1382: 1941-42, 1943(M), 1944-45, 1947, 1949, 1951-53.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	16	15	20	46	93	56	31	42	62	40	33
2	35	15	24	30	50	85	53	36	40	53	38	28
3	34	16	40	24	48	78	90	34	37	48	36	33
4	34	16	41	28	44	71	111	45	36	45	40	31
5	31	16	41	29	47	66	92	64	39	41	48	31
6	25	15	41	28	47	64	65	59	73	38	45	31
7	25	15	34	33	44	58	56	56	69	37	49	31
8	25	15	36	30	42	61	59	51	56	35	39	31
9	24	15	32	47	38	51	53	48	47	34	33	31
10	22	15	50	57	37	49	51	46	43	72	30	32
11	22	15	73	62	36	49	51	44	41	51	29	32
12	22	16	100	64	40	49	50	45	57	46	29	32
13	22	16	113	69	39	51	48	57	67	46	27	32
14	22	16	113	66	35	48	45	76	56	100	26	32
15	22	16	111	59	34	50	43	72	50	143	24	19
16	22	16	113	54	34	44	45	74	48	128	25	7.7
17	27	16	84	51	34	40	50	67	47	109	24	3.6
18	30	16	29	51	39	43	36	62	44	100	16	7.7
19	26	16	20	54	40	57	41	60	43	100	12	21
20	21	16	19	50	39	132	38	57	44	98	14	23
21	18	16	19	46	37	111	37	58	37	74	16	27
22	16	16	19	44	36	93	29	66	35	65	20	27
23	16	15	19	42	44	87	30	72	34	56	17	27
24	15	15	18	41	113	81	33	62	33	51	24	30
25	16	15	18	41	194	80	41	56	33	95	26	31
26	16	15	18	57	154	79	49	50	38	76	23	31
27	16	15	18	51	123	64	44	50	34	60	22	30
28	16	15	18	46	104	57	35	41	67	53	18	31
29	16	15	18	51	---	57	33	34	90	48	16	30
30	16	15	18	51	---	66	30	38	81	44	28	29
31	16	---	18	37	---	63	---	42	---	42	23	---
TOTAL	703	465	1330	1413	1618	2077	1494	1653	1461	2050	857	815.0
MEAN	22.7	15.5	42.9	45.6	57.8	67.0	49.8	53.3	48.7	66.1	27.6	27.2
MAX	35	16	113	69	194	132	111	76	90	143	49	33
MIN	15	15	15	20	34	40	29	31	33	34	12	3.6
MEAN#	19.8	19.2	65.7	49.8	59.8	65.0	48.0	54.3	50.5	64.5	26.8	24.7
CFSM#	1.18	1.14	3.91	2.96	3.56	3.87	2.86	3.23	3.01	3.84	1.60	1.47
IN.#	1.36	1.27	4.51	3.41	3.71	4.46	3.19	3.72	3.36	4.43	1.84	1.64

CAL YR 1974 TOTAL 14065.4 MEAN 38.5 MAX 128 MIN 4.1 MEAN# 38.0 CFSM# 2.26 IN.# 30.73
WTR YR 1975 TOTAL 15936.0 MEAN 43.7 MAX 194 MIN 3.6 MEAN# 45.7 CFSM# 2.72 IN.# 36.90

Adjusted for change in contents in Penn Forest Reservoir.

01449800 Pohopoco Creek below Beltzville Dam near Parryville, Pa.

LOCATION.--Lat 40°50'44", long 75°38'46", Carbon County, on right bank 0.1 mi (0.2 km) upstream from Sawmill Run, 0.45 mi (0.72 km) downstream from Beltzville Dam, 1.3 mi (2.1 km) upstream from Bull Run, and 2.3 mi (3.7 km) northeast of Parryville.

DRAINAGE AREA.--96.4 mi^2 (249.7 km^2).

PERIOD OF RECORD.--October 1967 to current year.

AVERAGE DISCHARGE.--8 years, 217 ft^3/s (6.15 m^3/s), 30.57 in/yr (776 mm/yr), adjusted for storage and diversion.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 492.05 ft (149.977 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 1,030 ft^3/s (29.2 m^3/s) Feb. 25 (gage height, 4.74 ft or 1.445 m); minimum, 58 ft^3/s (1.64 m^3/s) Sept. 9-26 (gage height, 2.74 ft or 0.835 m).
Period of record: Maximum discharge, 1,740 ft^3/s (49.3 m^3/s) May 8, 1973 (gage height, 5.59 ft or 1.704 m); minimum, 0.90 ft^3/s (0.025 m^3/s) Oct. 11, 12, 1969 (gage height, 2.12 ft or 0.646 m), result of upstream shutoff.

REMARKS.--Records excellent. Flow regulated by Wild Creek and Penn Forest Reservoirs, 7.3 mi (11.7 km) and 10.0 mi (16.1 km) upstream, respectively, and Beltzville Lake, 0.45 mi (0.72 km) upstream (see p.129). Figures of daily discharge do not include diversion from Wild Creek Reservoir to city of Bethlehem. Records of water quality for the current year are published on p. of this report. Diversion from Tunkhannock Creek to Wild Creek basin above station since October 1969 (see p. 50).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	65	67	171	300	999	194	163	139	539	190	78
2	142	65	67	152	300	994	212	163	139	611	171	78
3	142	65	97	142	300	615	229	150	120	609	140	78
4	123	65	113	142	279	255	345	143	110	483	128	78
5	111	65	113	142	267	171	411	143	111	192	126	78
6	110	65	113	128	245	204	411	145	174	171	127	78
7	110	65	113	110	232	232	411	176	338	171	203	78
8	100	65	117	110	232	232	411	196	401	171	245	78
9	91	65	551	112	232	232	410	198	254	139	170	78
10	91	65	976	149	193	232	406	198	118	123	129	59
11	91	65	954	170	171	232	406	198	88	123	129	58
12	91	65	736	171	171	231	406	237	121	149	129	58
13	74	80	432	332	171	204	408	329	200	165	129	58
14	65	88	171	421	139	187	256	345	267	169	94	58
15	65	88	171	421	113	190	171	385	267	273	76	58
16	65	88	211	421	113	190	171	406	267	625	76	58
17	71	88	349	421	113	161	171	406	267	801	76	58
18	98	74	419	418	113	144	171	406	204	791	76	58
19	110	67	416	416	113	143	171	298	171	741	76	58
20	110	67	255	296	113	146	171	236	171	426	78	58
21	96	81	171	232	147	146	132	156	132	327	78	58
22	71	88	171	232	167	291	110	110	110	190	78	58
23	62	88	210	211	167	406	128	147	110	160	78	58
24	62	88	232	199	170	762	139	184	110	160	78	60
25	62	88	232	200	550	994	156	215	110	197	78	59
26	62	88	232	202	1020	988	167	228	110	345	78	249
27	62	75	192	202	1010	612	165	228	110	335	78	415
28	64	67	171	202	1010	235	163	191	287	190	78	414
29	65	67	171	266	---	142	163	135	408	190	78	416
30	65	67	171	300	---	142	163	117	341	190	78	414
31	65	---	171	300	---	175	---	127	---	190	78	---
TOTAL	2738	2217	8565	7391	8151	10887	7428	6759	5755	9945	3426	3534
MEAN	88.3	73.9	276	238	291	351	248	218	192	321	111	118
MAX	142	88	976	421	1020	999	411	406	408	801	245	416
MIN	62	65	67	110	113	142	110	110	88	123	76	58
(/)	38.2	39.3	36.2	36.0	36.1	36.0	36.9	38.4	39.6	39.0	40.2	38.3
MEAN#	110	98.7	368	289	374	344	278	259	270	328	137	159
CFSM#	1.14	1.02	3.82	3.00	3.88	3.57	2.88	2.69	2.80	3.40	1.42	1.65
IN.#	1.31	1.14	4.40	3.46	4.04	4.12	3.21	3.10	3.12	3.92	1.64	1.84

CAL YR 1974 TOTAL 65806 MEAN 180 MAX 1240 MIN 39 MEAN# 218 CFSM# 2.26 IN.# 30.65
WTR YR 1975 TOTAL 76796 MEAN 210 MAX 1020 MIN 58 MEAN# 250 CFSM# 2.59 IN.# 35.30

/ Diversion above station from Wild Creek Reservoir for municipal supply, equivalent in cubic feet per second, furnished by city of Bethlehem.
Adjusted for diversion from Wild Creek Reservoir and change in contents in Penn Forest and Wild Creek Reservoirs and Beltzville Lake.

01450500 Aquashicola Creek at Palmerton, Pa.

LOCATION.--Lat 40°48'22", long 75°35'54", Carbon County, on right bank 1,200 ft (370 m) upstream from Sixth Street Bridge in Palmerton, and 1.2 mi (1.9 km) upstream from mouth.

DRAINAGE AREA.--76.7 mi^2 (198.7 km^2).

PERIOD OF RECORD.--October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 389.08 ft (118.592 m) above mean sea level.

AVERAGE DISCHARGE.--36 years, 150 ft^3/s (4.25 m^3/s), 26.56 in/yr (675 mm/yr), adjusted for diversion.

EXTREMES.--Current year: Maximum discharge, 2,480 ft^3/s (70.2 m^3/s) Dec. 8 (gage height, 7.74 ft or 2.359 m); minimum, 41 ft^3/s (1.16 m^3/s) Nov. 7, Sept. 11; minimum gage height, 2.96 ft (0.902 m) Sept. 11.
Period of record: Maximum discharge, 11,700 ft^3/s (331 m^3/s) July 10, 1945 (gage height, 13.63 ft or 4.154 m), from rating curve extended above 2,500 ft^3/s (71 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 2.6 ft^3/s (0.074 m^3/s) Sept. 12, 1957, from rating curve extended below 16 ft^3/s (0.45 m^3/s); minimum gage height, 2.44 ft (0.74 m) Sept. 16, 1964; minimum daily discharge, 9.1 ft^3/s (0.26 m^3/s) Sept. 15, 1964.

REMARKS.--Records good. Regulation at low flow by mills above station. Occasional diversion from Pohopoco Creek into Aquashicola Creek above station. Figures of daily discharge do not include water diverted above station from Aquashicola Creek by the New Jersey Zinc Co.

REVISIONS (WATER YEARS).--WSP 1051: 1940-45 (monthly net diversion), drainage area. WRD Penna. 1968: 1967 (monthly net diversion).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	58	79	134	290	360	182	122	128	263	209	69
2	133	57	132	130	270	320	176	133	118	210	190	57
3	124	57	132	119	250	270	562	124	109	192	174	54
4	113	55	118	118	230	230	777	192	104	171	181	52
5	107	55	114	113	220	210	482	290	126	147	197	51
6	103	55	113	108	210	190	373	289	255	133	186	52
7	99	51	110	114	190	180	315	261	265	125	200	49
8	93	49	1280	112	170	180	275	228	227	117	160	47
9	89	48	1360	449	160	160	244	208	195	133	143	47
10	85	48	682	571	150	150	222	193	176	126	134	43
11	80	47	457	460	145	145	201	181	160	108	129	43
12	78	58	359	390	140	147	186	176	212	125	122	58
13	76	165	294	416	131	144	174	206	265	168	115	68
14	73	124	259	385	127	135	163	198	233	383	111	51
15	71	124	226	350	119	132	154	173	215	409	101	47
16	122	115	303	310	119	129	148	179	198	326	111	47
17	113	110	408	271	130	128	139	167	182	278	105	47
18	97	108	378	248	169	123	133	159	164	232	99	45
19	78	106	290	242	192	200	136	155	154	208	91	68
20	76	107	260	238	209	940	127	147	161	190	85	61
21	73	114	240	194	198	669	117	141	135	205	80	57
22	71	105	220	181	192	446	110	162	124	165	78	49
23	71	96	200	171	245	353	106	169	118	149	76	93
24	71	93	190	163	714	308	115	168	113	151	85	487
25	69	93	200	286	1360	281	144	168	108	1170	89	839
26	69	88	180	320	760	240	137	157	106	791	75	572
27	66	85	160	290	520	217	119	146	105	494	65	394
28	63	85	150	270	420	207	117	135	345	387	61	389
29	61	83	140	310	---	200	117	127	759	316	58	255
30	60	80	130	330	---	228	117	136	375	267	82	220
31	60	---	130	320	---	199	---	133	---	233	68	---
TOTAL	2677	2519	9294	8025	8030	7821	6370	5415	5935	8372	3660	4314
MEAN	86.4	84.0	300	259	287	252	212	175	198	270	118	144
MAX	143	165	1360	571	1360	940	777	290	759	1170	209	839
MIN	60	47	79	108	119	123	106	122	104	108	58	43
(/)	+1.8	+2.3	+1.0	+.7	+.3	+.7	+1.4	-1.1	-4.3	-1.6	+1.6	+2.2
MEAN#	88.2	86.3	301	260	287	253	213	174	194	268	120	146
CFSM#	1.15	1.13	3.92	3.39	3.74	3.30	2.78	2.27	2.53	3.49	1.56	1.90
IN.#	1.33	1.26	4.52	3.91	3.90	3.80	3.10	2.62	2.82	4.02	1.80	2.12

CAL YR 1974 TOTAL 60469 MEAN 166 MAX 1360 MIN 41 MEAN# 166 CFSM# 2.16 IN.# 29.28
WTR YR 1975 TOTAL 72432 MEAN 198 MAX 1360 MIN 43 MEAN# 198 CFSM# 2.58 IN.# 35.20

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1945	7.74	2,480	6-29	0045	5.67	1,060
2-25	0415	6.47	1,570	7-25	1500	6.17	1,370
3-20	1300	5.72	1,090				

/ Figures of net diversion, in cubic feet per second, include water from Pohopoco Creek to Aquashicola Creek plus water diverted above station from Aquashicola Creek, furnished by New Jersey Zinc Company.
Adjusted for diversion.

01451000 Lehigh River at Walnutport, Pa.

LOCATION.--Lat 40°45'25", long 75°36'12", Northampton County, on left bank 0.3 mi (0.5 km) upstream from highway bridge at Walnutport, and 0.4 mi (0.6 km) upstream from Trout Creek.

DRAINAGE AREA.--889 mi^2 (2,303 km^2).

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 350.27 ft (106.762 m) above mean sea level.

AVERAGE DISCHARGE.--29 years, 1,812 ft^3/s (51.3 m^3/s), 27.68 in/yr (703 mm/yr).

EXTREMES.--Current year: Maximum discharge, 15,900 ft^3/s (450 m^3/s) Dec. 8 (gage height, 7.40 ft or 2.256 m); minimum, 496 ft^3/s (14.0 m^3/s) Sept. 15, 16, 17, 22, 23 (gage height, 2.04 ft or 0.622 m).
Period of record: Maximum discharge, 77,800 ft^3/s (2,200 m^3/s) Aug. 19, 1955 (gage height, 17.68 ft or 5.389 m); minimum, 57 ft^3/s (1.61 m^3/s) July 27, 1965 (gage height, 1.25 ft or 0.381 m), result of upstream shutoff.
Maximum stage known, 20.6 ft (6.28 m) May 23, 1942, from floodmarks.

REMARKS.--Records good. Flow regulated by Wild Creek Reservoir since January 1941, Penn Forest Reservoir since October 1958, Francis E. Walter Lake since February 1961, and Beltzville Lake since February 1971 (see p.129).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2240	793	980	1660	3110	6430	2740	1360	1490	2470	1470	826
2	1950	749	1200	1620	2880	5820	2550	1580	1430	2190	1360	887
3	1830	749	1530	1470	2650	4890	4100	1740	1290	1850	1260	705
4	1380	749	1590	1440	2220	3830	5380	2310	1220	1820	1460	645
5	1320	749	1330	1390	2030	2490	4720	3430	1350	1340	1740	589
6	1280	749	1150	1320	2170	2400	3820	3600	3260	1070	1530	582
7	1230	715	1130	1200	2090	2340	3310	3370	4480	1088	1810	569
8	1170	749	7360	1200	1950	2310	3100	3230	3660	967	1610	535
9	1130	749	10400	3070	1850	2150	2830	2660	2250	1038	1330	545
10	1060	726	9540	4530	1600	2060	2670	2540	1880	1210	1170	559
11	980	726	8100	4360	1520	1820	2430	2230	1700	967	1160	586
12	955	816	6800	4970	1510	1820	2380	2220	1820	942	1120	646
13	918	1620	4170	5570	1500	2020	2210	2830	2600	1470	984	675
14	1000	2080	2990	4630	1450	1840	2020	4460	2270	4310	928	542
15	816	1670	2750	3860	1380	1810	1750	4290	2130	5590	833	509
16	967	1290	3400	3260	1340	1780	1710	3860	1900	4230	1180	504
17	1290	1230	4890	3070	1370	1710	1660	3380	1700	4610	1040	520
18	1440	1200	4310	2810	1710	1650	1610	3240	1420	3610	807	530
19	1320	1310	3530	2710	2060	2440	1740	3120	1310	3390	750	598
20	1170	1210	3150	2540	2160	9870	1650	2670	1380	2760	707	1050
21	1070	1360	2770	2190	1950	6690	1530	2140	1550	3380	677	990
22	838	1590	2560	2120	1920	5870	1420	1950	1170	2770	683	800
23	771	1280	2340	2080	2300	5670	1360	2080	1060	2350	713	689
24	838	1250	2000	1910	6020	5370	1390	2180	942	1880	772	3370
25	850	1270	2220	2080	10900	5840	1630	2080	907	6680	836	6320
26	861	1230	2190	3140	9650	5560	1940	1990	980	4340	758	5520
27	850	1160	2030	3820	8370	4530	1920	1980	1150	3370	707	7250
28	827	1130	1920	2890	8400	3040	1870	1550	2870	2670	667	6530
29	816	1120	1820	2920	---	2560	1430	1390	3620	2240	652	4450
30	804	1080	1740	3590	---	2820	1550	1360	3380	1970	673	3270
31	804	---	1520	3550	---	2800	---	1370	---	1660	904	---
TOTAL	34775	32939	103410	86010	88070	110390	70880	78030	58169	80336	32493	51493
MEAN	1122	1098	3336	2775	3145	3561	2358	2517	1939	2591	1048	1716
MAX	2240	2080	10400	5570	10900	9870	5300	4460	4480	6680	1810	7250
MIN	771	715	980	1200	1340	1650	1360	1360	907	942	652	504
CFSM	1.26	1.24	3.75	3.12	3.54	4.01	2.65	2.83	2.18	2.91	1.18	1.93
IN.	1.46	1.38	4.33	3.60	3.69	4.62	2.96	3.27	2.43	3.36	1.36	2.15

CAL YR 1974 TOTAL 719277 MEAN 1971 MAX 16400 MIN 404 CFSM 2.22 IN 30.10
WTR YR 1975 TOTAL 826795 MEAN 2265 MAX 10900 MIN 504 CFSM 2.55 IN 34.60

01451500 Little Lehigh Creek near Allentown, Pa.

LOCATION.--Lat 40°34'56", long 75°29'00", Lehigh County, on right bank at downstream side of bridge on Lehigh Parkway in Allentown, 0.8 mi (1.3 km) upstream from Cedar Creek, and 2.9 mi (4.7 km) upstream from mouth.

DRAINAGE AREA.--80.8 mi^2 (209.3 km^2).

PERIOD OF RECORD.--October 1945 to current year. Prior to October 1946, published as "at Allentown".

GAGE.--Water-stage recorder and, since September 1958, masonry control. Datum of gage is 253.41 ft (77.239 m) above mean sea level.

AVERAGE DISCHARGE.--30 years, 94.2 ft^3/s (2.668 m^3/s), 15.83 in/yr (402 mm/yr).

EXTREMES.--Current year: Maximum discharge, 995 ft^3/s (28.2 m^3/s) Dec. 8 (gage height, 4.15 ft or 1.265 m); minimum, 42 ft^3/s (1.76 m^3/s) Nov. 26, 27, 30, Dec. 1 (gage height, 2.34 ft or 0.713 m).
Period of record: Maximum discharge, 11,800 ft^3/s (334 m^3/s) June 22, 1972 (gage height, 11.80 ft or 3.597 m), from rating curve extended above 980 ft^3/s (27.8 m^3/s) on basis of slope-area measurement of peak flow; minimum, 17 ft^3/s (0.48 m^3/s) Feb. 4, 1965 (gage height, 1.84 ft or 0.561 m), result of upstream shutoff; minimum gage height, 1.39 ft (0.424 m) June 17, 18, 22, 1949.

REMARKS.--Records good. Occasional regulation at low flow by fish hatchery above station.

REVISIONS (WATER YEARS).--WRD Penna. 1973: 1946(M), 1951(P), 1955(M), 1956(M), 1958(M), 1962(M), 1963(M), 1965(M), 1969(M), 1971(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	74	64	103	162	141	177	148	186	113	116	96
2	90	74	88	103	156	130	171	153	144	108	115	93
3	87	87	81	98	147	138	338	144	128	120	113	92
4	84	81	70	95	141	130	428	205	124	121	117	90
5	83	80	66	95	147	141	258	198	142	109	211	90
6	81	79	66	93	147	147	229	165	351	145	171	96
7	81	77	66	105	140	132	213	173	228	146	204	99
8	79	75	454	103	138	125	203	153	162	117	145	88
9	79	74	246	260	135	120	194	146	148	157	126	87
10	79	72	132	175	130	120	187	143	140	249	120	85
11	77	72	113	147	125	125	182	140	134	139	119	84
12	77	81	105	130	122	140	177	141	165	122	116	132
13	77	113	100	196	120	150	172	159	219	180	114	145
14	77	79	98	144	119	132	169	170	162	408	123	100
15	78	77	93	121	116	132	166	143	141	324	112	91
16	153	72	200	119	119	135	171	167	136	219	130	90
17	127	70	221	113	132	135	164	148	136	194	124	90
18	95	68	147	124	182	130	158	137	131	177	114	88
19	87	68	124	159	200	210	159	134	126	155	109	104
20	84	68	116	175	179	636	154	129	126	156	104	101
21	81	72	111	130	153	397	148	127	119	221	102	107
22	81	68	108	124	147	273	144	182	115	158	104	95
23	81	66	103	121	186	248	143	256	114	144	101	270
24	79	66	103	121	203	230	158	170	118	138	101	553
25	79	66	103	192	144	253	206	141	114	143	112	489
26	78	64	98	233	141	214	226	135	122	134	102	313
27	76	64	95	166	130	192	162	133	121	127	100	229
28	75	64	95	153	130	186	152	127	136	126	96	186
29	75	64	93	233	---	186	149	123	142	123	94	166
30	76	64	93	203	---	200	144	133	122	120	99	155
31	75	---	93	175	---	196	---	140	---	118	97	---
TOTAL	2626	2199	3747	4469	4107	5816	5686	4763	4452	5811	3711	4495
MEAN	84.7	73.3	121	144	147	188	190	154	148	162	120	150
MAX	153	113	454	260	203	636	428	256	351	408	211	553
MIN	75	64	64	93	116	120	143	123	114	108	94	84
CFSM	1.05	.91	1.50	1.78	1.82	2.33	2.35	1.91	1.83	2.00	1.49	.6
IN.	1.21	1.01	1.73	2.06	1.89	2.68	2.62	2.19	2.05	2.31	1.71	

CAL YR 1974 TOTAL 45540 MEAN 125 MAX 454 MIN 64 CFSM 1.55 IN 20.97
WTR YR 1975 TOTAL 51082 MEAN 140 MAX 636 MIN 64 CFSM 1.73 IN 23.52

PEAK DISCHARGE (BASE, 450 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1415	4.15	995	6- 6	0800	3.38	454
3-20	1215	3.80	720	7-14	1300	3.59	579
4- 3	1945	3.78	706	9-24	1630	3.99	862

01451800 Jordan Creek near Schnecksville, Pa.

LOCATION.--Lat 40°39'42", long 75°37'38", Lehigh County, on upstream side of wooden covered bridge at Trexler-Lehigh County Game Preserve, 1.0 mi (1.6 km) downstream from Mill Creek, and 1.1 mi (1.8 km) southwest of Schnecksville.

DRAINAGE AREA.--53.0 mi^2 (137.3 km^2).

PERIOD OF RECORD.--February 1966 to current year.

GAGE.--Nonrecording gage. Altitude of gage is 400 ft (122 m) from topographic map.

AVERAGE DISCHARGE.--9 years, 92.4 ft^3/s (2.617 m^3/s), 23.68 in/yr (601 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,830 ft^3/s (51.8 m^3/s) Sept. 24 (gage height, 7.04 ft or 2.146 m), from rating curve extended as explained below; minimum, 7.9 ft^3/s (0.224 m^3/s) Nov. 30 (gage height, 2.59 ft or 0.789 m).

Period of record: Maximum discharge, 7,100 ft^3/s (201 m^3/s) June 22, 1972 (gage height, 12.32 ft or 3.755 m, from flood mark), from rating curve extended above 680 ft^3/s (19.3 m^3/s) on basis of contracted-opening measurement of peak flow; minimum observed, 0.4 ft^3/s (0.011 m^3/s) July 26, 1966; minimum gage height observed, 1.74 ft (0.530 m) July 19, 26, 1966.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	24	25	61	272	106	92	56	60	123	51	23
2	66	22	56	61	209	151	84	63	54	98	46	21
3	58	28	47	48	164	124	500	53	45	98	41	20
4	52	32	36	48	133	104	494	185	42	90	58	17
5	48	26	35	47	127	91	314	256	93	67	115	16
6	44	26	32	42	121	84	230	222	512	58	81	19
7	41	22	36	53	110	80	179	194	372	54	84	18
8	37	21	303	52	86	78	147	151	245	49	54	15
9	35	20	404	366	76	60	124	128	176	50	44	15
10	32	19	266	367	64	57	120	114	135	47	40	14
11	30	19	190	306	58	58	113	99	111	40	38	12
12	28	29	154	225	56	65	102	98	199	41	35	36
13	27	86	125	248	55	67	91	126	179	133	31	39
14	26	41	112	215	54	57	84	88	138	391	34	22
15	25	43	91	199	52	60	79	73	124	347	28	18
16	102	37	272	172	53	69	70	88	113	256	50	17
17	73	34	402	144	66	70	54	69	103	200	38	19
18	53	33	310	131	160	63	51	60	87	155	30	16
19	47	32	225	126	205	220	55	57	81	128	25	46
20	45	34	176	129	192	957	48	51	70	125	22	38
21	42	41	145	96	166	539	41	48	56	136	20	37
22	39	35	121	95	149	343	38	85	50	96	32	29
23	38	29	99	81	210	253	36	130	45	81	31	133
24	36	28	90	76	590	215	49	93	43	77	29	924
25	35	28	89	140	902	187	96	93	41	378	32	994
26	34	27	74	262	476	151	92	94	46	162	24	572
27	32	26	64	223	315	132	60	76	44	120	21	372
28	29	26	60	192	233	124	56	62	216	97	17	275
29	27	25	54	308	---	119	54	53	250	79	17	209
30	27	21	52	437	---	145	51	67	198	66	47	167
31	26	---	48	369	---	108	---	61	---	56	28	---
TOTAL	1307	914	4283	5319	5354	5017	3604	3093	3928	3898	1243	4153
MEAN	42.2	30.5	138	172	191	162	120	99.8	131	126	40.1	138
MAX	102	86	404	437	902	957	500	256	512	391	115	994
MIN	25	19	25	42	52	57	36	48	41	40	17	12
CFSM	.80	.58	2.60	3.25	3.60	3.06	2.26	1.88	2.47	2.38	.76	2.60
IN.	.92	.64	3.01	3.73	3.76	3.52	2.53	2.17	2.76	2.74	.87	2.91

CAL YR 1974 TOTAL 30467.5 MEAN 83.5 MAX 471 MIN 7.9 CFSM 1.58 IN 21.38
WTR YR 1975 TOTAL 42113.0 MEAN 115 MAX 994 MIN 12 CFSM 2.17 IN 29.56

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1600	4.91	644	6- 6	0400	5.04	696
2-25	0300	5.99	1,160	7-14	1445	4.86	624
3-20	1000	5.93	1,120	7-25	0645	5.06	704
4- 3	1515	5.56	940	9-24	1815	7.04	1,830

01452000 Jordan Creek at Allentown, Pa.

LOCATION.--Lat 40°37'23", long 75°28'58", Lehigh County, on right bank 200 ft (60 m) upstream from bridge on State Highway 145, 0.5 mi (0.8 km) northwest of city limits of Allentown, and 2.5 mi (4.0 km) upstream from mouth.

DRAINAGE AREA.--75.8 mi^2 (196.3 km^2).

PERIOD OF RECORD.--October 1944 to current year.

GAGE.--Water-stage recorder and rubble masonry control (crest raised one foot or 0.3 m in August 1958). Datum of gage is 259.82 ft (79.193 m) above mean sea level (Pennsylvania Department of Transportation benchmark).

AVERAGE DISCHARGE.--31 years, 110 ft^3/s (3.115 m^3/s), 19.71 in/yr 501 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,840 ft^3/s (80.4 m^3/s) Sept. 25 (gage height, 5.85 ft or 1.783 m); minimum, 10.0 ft^3/s (0.283 m^3/s) Nov. 27 (gage height, 2.31 ft or 0.704 m).
Period of record: Maximum discharge, 16,200 ft^3/s (459 m^3/s) June 23, 1972 (gage height, 11.61 ft or 3.539 m, from floodmark), from rating curve extended above 6,100 ft^3/s (173 m^3/s) on basis of slope-area measurement of peak flow; no flow on many days.
Flood of May 23, 1942, reached a stage of approximately 7.1 ft (2.16 m) outside, from floodmarks 650 ft (200 m) downstream.

REMARKS.--Records good. Some regulation at low flow by mills above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	35	31	81	416	245	128	73	81	143	65	29
2	114	33	68	86	290	201	119	86	77	116	61	26
3	98	42	89	65	223	167	634	79	63	113	55	25
4	87	47	57	73	182	140	877	153	61	119	58	22
5	79	38	45	69	167	128	487	321	88	88	143	19
6	72	39	40	60	160	119	332	264	655	77	90	20
7	66	33	45	77	150	111	245	245	550	71	125	23
8	59	29	475	75	119	113	201	189	326	65	77	19
9	54	27	700	416	100	88	163	168	223	63	61	16
10	50	26	393	603	84	88	143	143	167	69	55	15
11	45	25	250	454	76	88	128	128	137	55	50	14
12	42	30	197	316	68	90	116	119	214	48	47	44
13	40	111	160	321	68	100	105	153	223	119	41	71
14	38	71	143	279	68	84	95	119	167	410	44	35
15	37	64	122	250	68	84	90	100	150	480	37	26
16	115	61	250	223	73	95	93	111	137	316	61	24
17	149	52	692	186	84	95	79	98	131	240	58	24
18	91	49	507	150	174	90	77	84	113	189	44	24
19	78	47	326	178	240	150	79	79	98	156	36	38
20	75	50	231	174	259	1680	75	73	93	140	30	65
21	71	63	189	111	218	1000	65	65	77	178	27	48
22	65	55	160	134	186	536	61	100	69	122	35	45
23	62	45	131	122	227	375	56	182	63	105	36	143
24	59	42	119	111	603	274	65	119	58	95	32	948
25	55	41	111	150	1630	250	119	103	58	375	40	1920
26	55	39	105	398	835	201	122	119	58	193	33	895
27	51	27	88	332	474	178	88	98	58	140	27	572
28	46	39	84	264	321	163	79	84	167	119	24	387
29	42	37	77	429	---	160	75	71	337	100	20	274
30	40	26	73	715	---	182	73	77	218	84	41	214
31	37	---	69	626	---	153	---	86	---	75	42	---
TOTAL	2096	1323	6027	7528	7563	7428	5069	3881	4917	4663	1597	6025
MEAN	67.6	44.1	194	243	270	240	169	125	164	150	51.5	201
MAX	149	111	700	715	1930	1680	877	321	655	480	143	1920
MIN	37	25	31	60	68	84	56	65	58	48	20	14
CFSM	.89	.58	2.56	3.21	3.56	3.17	2.23	1.65	2.16	1.98	.68	2.65
IN.	1.03	.65	2.96	3.69	3.71	3.65	2.49	1.90	2.41	2.29	.78	2.96

CAL YR 1974 TOTAL 41878 MEAN 115 MAX 700 MIN 14 CFSM 1.52 IN 20.55
WTR YR 1975 TOTAL 58117 MEAN 159 MAX 1920 MIN 14 CFSM 2.10 IN 28.52

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0615	5.29	1,950	4- 3	1930	4.97	1,530
3-20	1415	5.35	2,030	9-25	0130	5.85	2,840

01452500 Monocacy Creek at Bethlehem, Pa.

LOCATION.--Lat 40°38'28", long 75°22'47", Northampton County, on right bank 40 ft (12 m) downstream from highway bridge at entrance to Monocacy Park at Bethlehem, and 2.1 mi (3.4 km) upstream from mouth.

DRAINAGE AREA.--44.5 mi^2 (115.3 km^2).

PERIOD OF RECORD.--October 1948 to current year.

GAGE.--Water-stage recorder. Concrete control since July 17, 1969. Datum of gage is 247.24 ft (75.359 m) above mean sea level (levels by Corps of Engineers). Prior to May 15, 1962, nonrecording gage at site 40 ft (12 m) upstream at same datum.

AVERAGE DISCHARGE.--27 years, 49.7 ft^3/s (1.408 m^3/s), 15.17 in/yr (385 mm/yr).

EXTREMES.--Current year: Maximum discharge, 416 ft^3/s (11.8 m^3/s) Sept. 24 (gage height, 3.77 ft or 1.149 m); minimum daily, 26 ft^3/s (0.74 m^3/s) April 28, 29, May 1, 2.

Period of record: Maximum discharge, 2,340 ft^3/s (66.3 m^3/s) Feb. 28, 1958 (gage height, 7.63 ft or 2.326 m), from rating curve extended above 560 ft^3/s (15.9 m^3/s) on basis of slope-area measurement at gage height, 9.74 ft (2.969 m); minimum, 3.0 ft^3/s (0.085 m^3/s) Jan. 9, 1966 (gage height, 1.67 ft or 0.509 m).

Flood of July 10, 1945, reached a stage of 9.74 ft (2.969 m), from floodmarks (discharge, 5,200 ft^3/s or 147 m^3/s, by slope-area measurement).

REMARKS.--Records fair. Some regulation at low flow by mill above station since April 1954.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	52	45	62	98	85	87	26	34	46	79	56
2	80	54	52	62	90	107	79	26	30	46	73	56
3	70	56	47	57	86	97	166	27	28	56	68	56
4	64	52	43	57	83	82	192	33	27	59	89	56
5	60	50	39	55	79	80	150	59	39	49	220	56
6	60	49	37	54	76	76	133	48	108	49	141	56
7	58	48	110	60	75	76	116	51	77	48	138	49
8	57	46	292	60	74	76	108	46	65	48	114	48
9	54	45	253	120	73	68	112	45	56	46	101	48
10	52	44	160	130	72	68	101	43	54	45	93	46
11	50	47	120	120	71	64	97	36	53	43	89	43
12	49	56	60	99	70	64	89	36	83	43	87	66
13	49	70	56	102	68	70	81	42	77	63	79	61
14	49	56	54	107	57	66	77	42	66	108	79	48
15	50	45	80	94	55	64	74	40	63	83	68	45
16	62	43	120	90	58	62	71	37	72	89	85	42
17	64	41	130	85	62	64	68	38	63	87	72	40
18	57	40	100	76	80	64	66	36	53	79	65	40
19	54	40	80	76	90	64	63	34	52	72	59	42
20	50	40	70	80	85	142	60	34	52	105	58	48
21	49	41	64	68	80	120	57	34	51	136	58	48
22	49	39	62	70	78	110	55	37	51	105	63	46
23	52	38	61	68	90	105	52	37	50	91	58	91
24	53	38	60	66	100	100	36	34	50	87	63	238
25	51	37	60	85	70	110	42	40	49	241	72	305
26	51	36	59	109	70	100	42	40	49	176	65	206
27	51	36	60	104	70	98	28	34	48	138	63	161
28	51	36	62	102	70	97	26	33	60	114	61	131
29	52	36	62	120	---	89	26	33	50	99	56	112
30	52	37	60	112	---	97	27	30	47	89	65	101
31	52	---	57	105	---	89	---	38	---	83	61	---
TOTAL	1734	1348	2615	2655	2130	2654	2381	1169	1657	2625	2542	2435
MEAN	55.9	44.9	84.4	85.6	76.1	85.6	79.4	37.7	55.2	84.7	82.0	81.2
MAX	82	70	292	130	100	142	192	59	108	241	220	305
MIN	49	36	37	54	55	62	26	26	27	43	56	48
CFSM	1.26	1.01	1.90	1.92	1.71	1.92	1.78	.85	1.24	1.90	1.84	1.82
IN.	1.45	1.13	2.19	2.22	1.78	2.22	1.99	.98	1.39	2.19	2.12	2.04

CAL YR 1974 TOTAL 25595 MEAN 70.1 MAX 292 MIN 36 CFSM 1.58 IN 21.40
WTR YR 1975 TOTAL 25945 MEAN 71.1 MAX 305 MIN 26 CFSM 1.60 IN 21.69

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	Unk.	3.22	308	8- 5	0700	3.69	386
4- 3	Unk.	3.60	353	9-24	2100	3.77	416
7-25	1245	3.69	386				

01453000 Lehigh River at Bethlehem, Pa.

LOCATION.--Lat 40°36'55", long 75°22'45", Lehigh County, on left bank 120 ft (37 m) upstream from New Street Bridge at Bethlehem, and 1,800 ft (549 m) upstream from Monocacy Creek.

DRAINAGE AREA.--1,279 mi^2 (3,313 km^2) includes that of Monocacy Creek. At site used prior to Oct. 1, 1928, 1,229 mi^2 (3,183 km^2).

PERIOD OF RECORD.--Sept. 1902 to February 1905, April 1909 to current year. Monthly discharge only for some periods, published in WSP 1302. Published as "at South Bethlehem" prior to Oct. 1913.

GAGE.--Water-stage recorder. Datum of gage is 210.94 ft (64.295 m) above mean sea level. Prior to October 1928, nonrecording gage at New Street Bridge 120 ft (37 m) downstream at same datum. Oct. 1, 1928, to Sept. 30, 1962, water-stage recorder at site 4,250 ft (1,295 m) downstream at datum 2.49 ft (0.759 m) lower.

AVERAGE DISCHARGE.--68 years (1902-4, 1909-75), 2,304 ft^3/s (65.25 m^3/s), 24.46 in/yr (621 mm/yr), adjusted for diversion 1902-04, 1909-42 and, for recirculated water, October 1, 1959, to September 30, 1962.

EXTREMES.--Current year: Maximum discharge, 20,100 ft^3/s (569 m^3/s) Dec. 8 (gage height, 8.63 ft or 2.630 m); minimum; 1,320 ft^3/s (37.4 m^3/s) Nov. 8; minimum gage height, 1.77 ft (0.539 m) Sept. 17.
Period of record: Maximum discharge, 92,000 ft^3/s (2,610 m^3/s) May 23, 1942 (gage height, about 25.9 ft or 7.89 m, from floodmark, present site and datum), from rating curve extended above 48,000 ft^3/s (1,360 m^3/s); minimum, 125 ft^3/s (3.54 m^3/s) June 28, 1965 (gage height, 0.94 ft or 0.287 m).
Flood of Feb. 28, 1902, reached a stage of 24.9 ft (7.59 m) from floodmark, present site and datum (discharge, about 88,000 ft^3/s or 2,490 m^3/s).

REMARKS.--Records fair. Flow regulated by Wild Creek Reservoir since January 1941, Penn Forest Reservoir since October 1958, Francis E. Walter Reservoir since February 1961, and Beltzville Lake since February 1971 (see p. 129).

REVISIONS (WATER YEARS).--WSP 261: 1903-5. WSP 321: 1910-11. WSP 1051: Drainage area. WSP 1141: 1929-34(M). WSP 1302: 1914(M), 1916(M), 1918, 1921, 1927-28. WSP 1432: 1903, 1919(M), 1920-21, 1929, 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3250	1450	1680	2370	4670	8190	4160	2310	2710	3950	2710	1770
2	2990	1410	1960	2430	4200	7310	3970	2450	2630	3690	2510	1730
3	2600	1480	2220	2230	3870	6430	7480	2690	2400	3450	2350	1670
4	2400	1450	2190	2150	3430	4550	9310	3490	2280	3430	2430	1550
5	2100	1420	2000	2110	3160	3690	7500	5350	2550	2830	3490	1520
6	2000	1440	1820	2050	3270	3510	6230	5100	5400	2510	2930	1500
7	1900	1390	1740	2050	3230	3440	5230	4980	6680	2380	3270	1480
8	1800	1390	8450	2000	2970	3410	4850	4650	5630	2290	2850	1450
9	1700	1410	14200	4580	2840	3160	4430	3970	4030	2290	2530	1450
10	1600	1390	11100	6470	2600	3050	4140	3810	3490	2830	2210	1420
11	1500	1380	9420	5880	2430	2880	3870	3450	3190	2380	2150	1420
12	1500	1510	8060	6390	2360	2820	3690	3330	3510	2260	2210	1950
13	1500	2530	5670	7100	2380	3050	3510	3950	4370	3870	1980	1820
14	1500	2670	4110	6220	2300	2850	3350	5430	3870	6600	1890	1510
15	1500	2490	3700	5090	2230	2820	2990	5650	3670	7750	1760	1440
16	2000	2100	4590	4410	2230	2780	2910	5330	3510	5850	2140	1420
17	2120	1890	6840	4070	2260	2720	2790	4780	3270	5980	2170	1410
18	2100	1880	6010	3810	2900	2620	2690	4390	2970	4950	1760	1460
19	1970	1920	4920	3840	3410	3230	2790	4280	2710	4500	1680	1600
20	1880	1920	4320	3790	3700	13700	2730	3870	2750	4070	1610	1950
21	1710	2010	3830	3100	3390	10800	2570	3350	2830	4700	1550	2040
22	1560	2220	3560	3070	3280	8860	2380	3090	2570	4100	1650	1670
23	1410	2010	3320	2930	3690	8020	2310	3890	2280	3630	1590	2570
24	1440	1910	2920	2790	7420	7450	2380	3350	2170	3370	1640	8080
25	1470	1910	3040	3050	16200	8140	2930	3310	2040	10500	1760	11800
26	1480	1880	3100	4640	12800	7640	3250	3290	2090	8600	1700	8400
27	1480	1760	2900	4350	10400	6730	3010	3110	2330	6400	1610	9660
28	1460	1760	2730	4130	10400	4850	2950	2770	3970	4700	1550	8610
29	1450	1770	2590	4550	---	4100	2870	2470	5880	3630	1550	6640
30	1450	1700	2490	5510	---	4370	2650	2590	5200	3270	1770	5250
31	1450	---	2260	5430	---	4430	---	2550	---	2970	1850	---
TOTAL	56270	53450	137740	122590	128020	161600	115920	117030	102980	132930	64850	96240
MEAN	1815	1782	4443	3955	4572	5213	3864	3775	3433	4288	2092	3208
MAX	3250	2670	14200	7100	16200	13700	9310	5650	6680	10500	3490	11800
MIN	1410	1380	1680	2000	2230	2620	2310	2310	2040	2260	1550	1410
CFSM	1.42	1.39	3.47	3.09	3.57	4.08	3.02	2.95	2.68	3.35	1.64	2.51
IN.	1.64	1.55	4.01	3.57	3.72	4.70	3.37	3.40	3.00	3.87	1.89	2.80

CAL YR 1974 TOTAL 1066675 MEAN 2922 MAX 14200 MIN 885 CFSM 2.28 IN 31.02
WTR YR 1975 TOTAL 1289620 MEAN 3533 MAX 16200 MIN 1380 CFSM 2.76 IN 37.51

01454700 Lehigh River at Glendon, Pa.

LOCATION.--Lat 40°40'09", long 75°14'12", Northampton County, on right bank 140 ft (43 m) upstream from highway bridge in Hugh Moore Parkway at Glendon, 1.9 mi (3.1 km) upstream from mouth, and 2.0 mi (3.2 km) southwest of Easton.

DRAINAGE AREA.--1,359 mi^2 (3,520 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 164.30 ft (50.079 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 2,923 ft^3/s (82.78 m^3/s), 29.21 in/yr (742 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,800 ft^3/s (532 m^3/s) Feb. 25 (gage height, 14.45 ft or 4.404 m); minimum daily, 1,160 ft^3/s (32.9 m^3/s) Sept. 17.
Period of record: Maximum discharge, 60,600 ft^3/s (1,720 m^3/s) June 23, 1972 (gage height, 24.86 ft or 7.577 m), from rating curve extended above 19,000 ft^3/s (538 m^3/s); minimum, 526 ft^3/s (14.9 m^3/s) Oct. 1, 1966 (gage height, 6.59 ft or 2.009 m).

REMARKS.--Records good. Flow regulated by Francis E. Walter, Penn Forest, and Wild Creek Reservoirs and since February 1971, Beltzville Lake about 60 mi (97 km) upstream (see p. 129). Records of water quality for the current year, collected at site 1.9 mi (3.1 km) downstream, are published on p. 196.

REVISIONS (WATER YEARS).--WRD Pa. 1972: 1971(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3130	1490	1640	2580	5030	10000	4600	2460	2860	4490	2760	1570
2	2870	1460	2110	2630	4530	8900	4380	2610	2550	4110	2500	1540
3	2510	1540	2350	2390	4140	7840	7600	2850	2250	3780	2280	1480
4	2180	1500	2290	2310	3660	5700	9520	3890	2060	3760	2250	1340
5	1960	1480	2110	2250	3360	4560	7890	5870	2470	3770	4350	1310
6	1900	1460	1910	2180	3450	4330	6700	9580	6380	2590	3210	1310
7	1860	1410	1830	2260	3380	4260	5660	5500	7510	2240	3870	1250
8	1760	1410	7280	2150	3090	4200	5330	5130	6490	2020	3110	1220
9	1710	1400	14400	6770	2960	3870	4900	4490	4730	1970	2610	1210
10	1640	1380	11600	7000	2700	3760	4640	4260	3870	2610	2150	1170
11	1550	1380	10200	6360	2550	3540	4360	3820	3380	2060	2060	1190
12	1500	1480	8800	6000	2470	3510	4130	3660	4170	1880	2220	1770
13	1480	2570	6230	7620	2360	3780	3890	4600	5090	3030	1920	1730
14	1490	2660	4490	6750	2370	3550	3700	5780	4620	7840	1850	1320
15	1490	2570	3960	5570	2300	3490	3230	5970	4100	9030	1490	1190
16	2090	2180	4970	4840	2310	3440	3120	5810	4170	7110	2060	1170
17	2230	1950	7520	4480	2370	3360	2990	5170	3550	7020	2250	1160
18	2120	1930	6510	4280	3090	3230	2850	4820	3020	5850	1680	1210
19	1980	1970	5410	4240	3630	4930	3000	4770	2670	5350	1570	1380
20	1890	1990	4780	4240	3820	13000	2900	4330	2730	4860	1480	1520
21	1710	2060	4180	3360	3390	11000	2690	3620	2790	5910	1430	1900
22	1560	2290	3860	3310	3230	8930	2460	3300	2670	4820	1560	1510
23	1370	2080	3570	3160	3700	8280	2390	4490	2100	4220	1470	2690
24	1380	1940	3180	3000	7600	7720	2530	3680	2080	3410	1560	7580
25	1430	1960	3270	3430	17600	8380	3300	3630	1900	10700	1680	12400
26	1430	1950	3290	5150	14500	7940	3740	3540	1910	7910	1570	9150
27	1400	1810	3070	4760	12100	7040	3300	3230	2190	5930	1470	9800
28	1380	1800	2900	4520	12000	5270	3180	2770	4330	4860	1390	9320
29	1360	1790	2770	5050	---	4550	3080	2350	6700	4240	1350	6590
30	1340	1690	2660	5870	---	4800	2800	2500	5870	3630	1620	5160
31	1480	---	2460	5780	---	4840	---	2460	---	3150	1670	---
TOTAL	55180	54580	145600	135010	137690	181100	124860	126940	110730	142950	64630	93210
MEAN	1780	1819	4697	4355	4918	5842	4162	4095	3691	4611	2085	3107
MAX	3130	2660	14400	7620	17600	13000	9520	5970	7510	10700	4350	12400
MIN	1340	1380	1640	2150	2300	3230	2390	2350	1900	1880	1350	1160
CFSM	1.31	1.34	3.46	3.20	3.62	4.30	3.06	3.01	2.72	3.39	1.53	2.29
IN.	1.51	1.49	3.99	3.70	3.77	4.96	3.42	3.47	3.03	3.91	1.77	2.55

CAL YR 1974 TOTAL 1116940 MEAN 3060 MAX 14400 MIN 930 CFSM 2.25 IN 30.57
WTR YR 1975 TOTAL 1372480 MEAN 3760 MAX 17600 MIN 1160 CFSM 2.77 IN 37.57

01459500 Tohickon Creek near Pipersville, Pa.

LOCATION.--Lat 40°26'01", long 75°07'01", Bucks County, on right bank at highway bridge, 1.5 mi (2.4 km) northeast of Pipersville, and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--97.4 mi^2 (252.3 km^2).

PERIOD OF RECORD.--July 1935 to current year.

GAGE.--Water-stage recorder. Datum of gage is 258.96 ft (78.931 m) above mean sea level.

AVERAGE DISCHARGE.--40 years, 142 ft^3/s (4.02 m^3/s), 19.80 in/yr (503 mm/yr), adjusted for storage since December 1973.

EXTREMES.--Water year 1974: Maximum discharge, 5,170 ft^3/s (146 m^3/s) Dec. 21 (gage height, 7.21 ft or 2.198 m); minimum, 5.0 ft^3/s (0.142 m^3/s) Oct. 26 (gage height, 0.79 ft or 0.241 m).
Water year 1975: Maximum discharge, 5,150 ft^3/s (146 m^3/s) Mar. 20 (gage height, 7.20 ft or 2.195 m); minimum daily, 12 ft^3/s (0.34 m^3/s) Nov. 11.
Period of record: Maximum discharge, 16,000 ft^3/s (453 m^3/s) Aug. 18, 1955 (gage height, 11.26 ft or 3.432 m), from rating curve extended above 3,600 ft^3/s (102 m^3/s) on basis of slope-area measurement at gage height, 10.48 ft (3.194 m); minimum, 0.05 ft^3/s (0.001 m^3/s) Sept. 29, 1941; minimum daily, 0.1 ft^3/s (0.003 m^3/s) Sept. 24, 29, Oct. 6, 1941.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Regulation at low flow by mills above station and since December 1973, by Nockamixon Lake about 7.6 mi (12.2 km) upstream.

REVISIONS.--Revised figures of monthly discharge for water year 1974, superseding those published in WRD Pa. 1974, are given herein.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	79	63	648	34	34	128	45	30	72	14	50
2	13	60	45	600	30	30	78	34	33	63	22	50
3	26	51	33	588	27	28	58	36	35	37	29	50
4	27	37	27	660	26	27	154	58	34	31	16	49
5	24	33	267	582	24	27	203	45	31	27	18	48
6	18	31	174	546	24	27	118	43	30	25	15	47
7	14	22	61	498	22	24	64	64	26	31	15	200
8	11	19	37	426	22	41	46	57	24	27	15	130
9	10	17	420	352	21	128	426	52	22	23	15	80
10	9.6	15	154	405	21	130	113	227	21	21	16	56
11	8.5	14	76	330	20	60	63	262	19	20	14	45
12	8.1	13	50	97	19	45	46	768	17	18	13	68
13	7.7	13	55	52	20	33	110	1900	15	16	13	45
14	7.1	12	594	40	23	27	82	726	13	15	14	108
15	7.1	12	702	37	22	25	654	178	12	14	13	68
16	8.1	12	660	32	29	87	456	133	51	14	13	57
17	13	11	636	31	17	157	307	105	192	14	13	54
18	7.7	11	588	32	34	58	200	105	99	14	34	49
19	5.5	11	540	33	20	42	140	82	57	14	95	46
20	6.7	10	522	35	45	33	110	64	38	13	58	43
21	6.1	10	2750	178	30	366	100	52	45	14	41	49
22	7.1	10	810	348	49	145	92	45	50	14	33	48
23	6.1	10	726	199	66	69	83	54	78	14	41	37
24	5.8	11	690	136	35	54	75	67	128	15	85	35
25	5.8	12	660	84	32	37	69	58	95	14	69	35
26	5.5	12	1440	63	28	32	64	46	75	14	49	35
27	6.1	14	930	93	26	28	59	39	58	14	50	35
28	5.8	25	684	67	27	26	55	37	49	14	50	250
29	103	70	702	76	---	22	50	34	54	14	50	1000
30	343	84	666	51	---	154	46	28	54	17	50	100
31	142	---	642	46	---	684	---	27	---	15	50	---
TOTAL	580.4	741	16410	7365	793	2680	4249	5471	1485	668	1025	2943
MEAN	26.4	24.7	529	238	28.3	86.5	142	176	49.5	21.5	33.1	98.1
MAX	343	84	2750	660	66	684	654	1900	192	72	95	1000
MIN	5.5	10	27	31	17	22	46	27	12	13	13	35
(/)	0	0	+115	+56.2	+42.6	+191	+259	-.2	+.7	-13.7	+15.0	+1.3
MEAN#	28.4	24.7	644	294	70.9	278	401	176	50.2	7.8	48.1	99.4
CFSM#	.29	.25	6.61	3.02	.73	2.85	4.12	1.81	.52	.08	.49	1.02
IN.#	.34	.28	7.62	3.48	.76	3.29	4.60	2.09	.58	.09	.56	1.14

CAL YR 1973 TOTAL 72985.0 MEAN 200 MAX 2750 MIN 3.2 MEAN# 210 CFSM# 2.16 IN.# 29.23
WTR YR 1974 TOTAL 44710.4 MEAN 122 MAX 2750 MIN 5.5 MEAN# 170 CFSM# 1.75 IN.# 24.83

NOTE.--No gage-height record Aug. 27 to Sept. 30.
/ Figures of net change in contents, in cubic feet per second, in Nockamixon Lake.
Adjusted for change in reservoir contents.

01459500 Tohickon Creek near Pipersville, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	457	30	43	197	157	151	98	834	197	32	14
2	88	962	70	283	149	122	113	120	437	104	30	14
3	74	950	90	466	118	102	275	127	236	118	28	14
4	53	828	40	34	93	84	481	200	137	169	30	14
5	39	876	16	30	95	66	253	461	135	97	33	14
6	33	811	16	27	98	61	154	306	768	66	29	15
7	29	55	16	120	113	63	111	253	560	54	26	14
8	27	15	16	61	108	85	89	190	275	46	24	14
9	22	13	10	400	95	78	73	137	160	41	22	14
10	19	13	10	111	85	51	63	120	102	39	20	14
11	17	12	800	89	70	51	60	104	75	38	19	14
12	15	15	35	66	69	75	55	89	476	37	18	19
13	15	39	33	146	115	101	52	290	1460	3000	18	22
14	14	23	31	111	85	101	46	396	560	2500	17	15
15	13	20	27	294	73	200	43	239	264	600	16	14
16	274	18	461	391	50	253	52	378	163	300	26	15
17	628	18	428	43	60	286	55	369	175	260	24	15
18	366	235	588	190	310	243	49	239	143	230	22	14
19	206	20	566	290	671	1200	49	169	97	200	21	18
20	124	18	528	272	571	3420	52	124	75	700	20	17
21	81	19	236	98	360	876	46	98	50	200	19	27
22	50	342	37	64	250	373	39	79	38	100	19	24
23	41	30	30	55	391	264	34	70	31	70	17	275
24	37	15	30	55	2020	239	42	64	41	50	17	1800
25	33	15	31	356	2360	418	239	58	41	500	17	2200
26	32	15	29	813	677	306	766	55	37	100	17	1250
27	31	15	26	423	326	184	414	51	35	60	17	560
28	27	15	25	250	206	124	222	45	45	47	15	154
29	26	15	24	442	---	102	140	37	197	42	15	118
30	24	15	24	486	---	172	106	37	356	38	15	87
31	18	---	23	290	---	209	---	39	---	35	14	---
TOTAL	2538	5894	5906	6799	9815	10218	4324	5042	7995	10038	657	6799
MEAN	81.9	196	191	219	351	330	144	163	267	324	21.2	227
MAX	628	962	800	813	2360	3420	766	461	1460	3000	33	2200
MIN	13	12	16	27	50	51	34	37	31	35	14	14
(/)	-6.0	-62.4	-11.8	+80.2	-1.8	+.5	+.7	-3.2	+7.9	-11.6	-4.8	+10.8
MEAN#	75.9	134	179	299	349	330	145	160	275	312	16.4	238
CFSM#	.78	1.38	1.84	3.07	3.58	3.39	1.49	1.64	2.82	3.20	.17	2.44
IN.#	.90	1.54	2.12	3.54	3.73	3.91	1.66	1.89	3.15	3.69	.20	2.72

CAL YR 1974 TOTAL 41017 MEAN 112 MAX 1900 MIN 12 MEAN# 151 CFSM# 1.55 IN.# 21.15
WTR YR 1975 TOTAL 76025 MEAN 208 MAX 3420 MIN 12 MEAN# 208 CFSM# 2.14 IN.# 29.05

NOTE.--No gage-height record Oct. 1, 2, Nov. 25 to Dec. 12, July 11 to Aug. 14.
/ Figures of net change in contents, in cubic feet per second, in Nockamixon Lake.
Adjusted for change in reservoir contents.

01463500 Delaware River at Trenton, N. J.

LOCATION.--Lat 40°13'18", long 74°46'42", Mercer County, N. J., on left bank 450 ft (137 m) upstream from Calhoun Street Bridge at Trenton, 0.5 mi (0.8 km) upstream from Assunpink Creek, and at mile 134.5 (216.4 km).
DRAINAGE AREA.--6,780 mi^2 (17,560 km^2).
PERIOD OF RECORD.--October 1912 to current year. Prior to February 1913 monthly discharge only, published in WSP 1302. Gage-height records collected in this vicinity since 1904 are contained in reports of National Weather Service.
GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Sept. 30, 1965, at datum 7.77 ft (2.368 m) higher. Feb. 24, 1913 to Oct. 2, 1928, nonrecording gage on downstream side of highway bridge at site 500 ft (152 m) downstream.
AVERAGE DISCHARGE.--63 years, 11,630 ft^3/s (329.4 m^3/s), unadjusted.
EXTREMES.--Current year: Maximum discharge, 94,600 ft^3/s (2,680 m^3/s) Feb. 26 (elevation 17.35 ft or 5.288 m); minimum, 3,940 ft^3/s (112 m^3/s) Sept. 9, 10 (elevation, 8.35 ft or 2.545 m). Flow in Delaware and Raritan Canal not included.

Period of record: Maximum discharge, 329,000 ft^3/s (9,320 m^3/s) Aug. 20, 1955 (elevation, 28.60 ft or 8.717 m, from highwater mark in gage house), from rating curve extended above 230,000 ft^3/s (6,510 m^3/s); minimum, 1,180 ft^3/s (33.4 m^3/s) Oct. 31, 1963 (elevation, 7.26 ft or 2.213 m). Flow in Trenton power race and Delaware and Raritan Canal not included.

Flood of Oct. 11, 1903 reached an elevation of about 28.5 ft (8.69 m) above mean sea level (discharge estimated, 295,000 ft^3/s or 8,350 m^3/s). Maximum elevation known since 1903, 30.6 ft (9.33 m) above mean sea level Mar. 8, 1904, from floodmark (ice jam).
REMARKS.--Records excellent. Diurnal fluctuation at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lakes Wallenpaupack (see p.129) and Hopatcong and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, Neversink Reservoirs (see New Jersey Annual Report) and Wild Creek Reservoir (see p.130) and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs and to Delaware and Raritan Canal (see New Jersey Annual Report). Water diverted just above station by borough of Morrisville, Pa., and city of Trenton for municipal supply (see New Jersey Annual Report). Records of water quality for the current year are published in the New Jersey Annual Report.
REVISIONS (WATER YEARS).--WSP 951: Drainage area. WSP 1302: 1913-20. WSP 1382: 1924, 1928.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19900	5160	8160	10800	22800	38700	20400	10300	13500	11100	8870	9890
2	17500	6030	10400	11200	20200	32100	19100	10000	10900	9430	8140	9550
3	14500	6090	11700	10300	18300	25700	20000	10300	9640	9210	7240	7310
4	12300	6010	11900	9930	16700	23000	37100	11600	8720	9100	6540	6390
5	10800	5690	11200	9090	16000	19800	44800	16400	9140	7740	8020	5830
6	9730	5630	10100	8200	15300	17800	37000	19100	16500	6220	8420	5500
7	8850	5180	8710	8680	15000	16700	29800	20000	25000	5980	9040	5190
8	8150	5920	12100	9580	14900	15900	25900	23000	28500	5540	9030	4540
9	7600	6280	49700	14400	13500	15000	23200	24600	22400	5580	9610	3980
10	7070	5950	69000	20600	11600	13600	20600	21400	17400	5540	8180	4240
11	6720	5310	47700	24900	9780	12300	18700	18800	15700	5830	6810	4840
12	7030	5360	35700	25000	10800	13000	17400	17000	17100	5580	6090	4740
13	6980	8160	28200	35900	9780	13700	16000	17900	23700	21800	6200	6760
14	6820	12800	23100	36200	9780	13500	14900	24700	25400	30100	5850	5770
15	6690	18000	20100	29100	10100	13600	14100	26800	22600	28600	5470	4660
16	8030	5200	22600	24200	9910	13500	13500	25900	18800	22900	5560	4880
17	11300	13200	24900	21000	9840	12800	12700	24400	18300	18100	6160	4730
18	9810	11900	23400	19900	10800	11700	12300	22500	16300	15500	5740	4650
19	10300	11100	21200	20100	14300	15400	11900	19700	14200	12700	5600	4560
20	9480	10500	18600	20600	15300	36400	11700	18100	13700	12400	5440	4790
21	7510	10400	16900	17600	13800	52600	11200	17000	12500	19800	4950	5740
22	6660	11900	15400	15700	12600	49100	11100	14800	11200	15900	4770	5570
23	6690	14400	13600	14100	12700	37700	11000	14600	8980	15900	4770	7800
24	6700	12000	12600	13900	19400	30900	10800	14900	8120	13300	4830	17780
25	6110	10800	12800	14800	65600	32100	12600	14400	8330	20800	6570	39300
26	5940	10600	13300	20000	88000	32300	16100	13000	7150	23800	8320	41600
27	5800	10500	12700	21300	65800	29700	14600	12000	6630	18500	8050	46600
28	5350	9840	12700	22000	49600	25900	12500	10700	7020	5400	6750	36100
29	5260	9090	11700	21500	---	22000	11500	10200	12400	12400	5790	29000
30	5310	8620	10500	22500	---	20200	11100	8720	13100	11500	5180	22900
31	5370	---	9990	23900	---	20600	---	9240	---	10100	5520	---
TOTAL	265660	277620	610660	577780	602190	727300	543600	522060	442930	426350	207510	365110
MEAN	8570	9254	19700	18640	21510	23460	18120	16840	14760	13750	6694	12170
MAX	19900	18000	69000	36200	88000	52600	44800	26800	28500	30100	9610	46600
MIN	5260	5160	8160	8200	9780	11700	10800	8720	6630	5540	4770	3980
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1974 TOTAL 4962030 MEAN 13590 MAX 69000 MIN 2990 CFSM - IN. -
WTR YR 1975 TOTAL 5568770 MEAN 15260 MAX 88000 MIN 3980 CFSM - IN. -

PEAK DISCHARGE (BASE, 50,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	0645	15.94	74,100	3-21	1915	14.84	59,400
2-26	0300	17.35	94,600	9-27	0115	14.43	54,100

01465500 Neshaminy Creek near Langhorne, Pa.

LOCATION.--Lat 40°10'26", long 74°57'26", Bucks County, on left bank at bridge on State Highway 213, 0.3 mi (0.5 km) downstream from Mill Creek, and 1.7 mi (2.7 km) west of Langhorne.

DRAINAGE AREA.--210 mi^2 (544 km^2).

PERIOD OF RECORD.--October 1934 to current year.

GAGE.--Water-stage recorder. Datum of gage is 40.57 ft (12.366 m) above mean sea level.

AVERAGE DISCHARGE.--41 years, 286 ft^3/s (8.100 m^3/s), 18.49 in/yr (470 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14,200 ft^3/s (402 m^3/s) July 13 (gage height, 12.75 ft or 3.886 m), from rating curve extended as explained below; minimum, 57 ft^3/s (1.61 m^3/s) Nov. 30, Dec. 1 (gage height, 0.90 ft or 0.274 m).

Period of record: Maximum discharge, 49,300 ft^3/s (1,400 m^3/s) Aug. 19, 1955 (gage height, 22.84 ft or 6.962 m, from floodmarks), from rating curve extended above 4,700 ft^3/s (133 m^3/s) on basis of contracted-opening measurement at gage height 15.94 ft (4.859 m), and slope-area measurement of peak flow; minimum, 1.9 ft^3/s (0.054 m^3/s) Sept. 8, 1957; minimum gage height, 0.35 ft (0.107 m) Sept. 1, 2, 1963.

Flood of Aug. 23, 1933, reached a stage of 17.3 ft (5.27 m), from floodmark (discharge, 30,000 ft^3/s or 850 m^3/s, from rating curve extended as explained above).

REMARKS.--Records good. Some regulation at low flow by mills above station. Occasional regulation by Springfield Lake (capacity, 650 mil gal or 2.460 hm^3) completed in 1934; no significant regulation except during period May 1934 to January 1944, when the lake was filling, and in September 1949, July 1954, July through October 1957, September, October 1961. Interceptor sewer installed along left bank in May, June 1966.

REVISIONS (WATER YEARS).--WSP 1332: 1949. WSP 1432: 1936-37.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	228	95	60	212	358	496	330	380	2600	209	145	93
2	200	90	161	291	330	436	280	287	638	178	140	93
3	135	90	191	188	303	386	390	239	391	212	135	91
4	128	90	117	170	273	328	408	384	300	250	137	87
5	120	90	87	163	285	300	283	617	400	180	163	87
6	113	90	82	149	341	270	258	334	2500	189	155	91
7	106	85	81	561	421	250	243	306	700	192	140	93
8	98	80	991	340	353	300	232	266	450	164	130	89
9	93	72	848	1850	287	240	221	236	347	175	125	87
10	93	70	292	707	240	220	213	249	312	222	116	81
11	85	68	210	461	233	235	207	217	272	163	113	77
12	81	85	182	392	222	250	286	204	1370	148	111	100
13	85	252	166	669	223	500	235	524	3520	6330	109	137
14	83	153	154	882	220	380	183	363	950	5480	106	116
15	81	110	139	418	198	450	186	245	636	1650	104	87
16	1270	97	3030	334	198	600	214	549	530	1070	133	81
17	747	89	1800	295	224	500	198	469	478	651	221	79
18	272	84	466	519	749	450	179	295	313	538	123	79
19	193	82	332	1170	1020	1500	177	339	276	462	109	91
20	165	84	279	1780	823	5000	176	374	399	506	125	184
21	148	93	266	633	525	1000	163	243	315	1650	123	268
22	135	97	263	493	419	700	153	236	215	387	104	168
23	130	81	236	441	830	600	150	466	200	258	109	1210
24	125	75	227	424	2060	660	179	284	199	215	104	3440
25	118	74	223	887	2810	1000	868	210	217	1060	575	3760
26	117	78	217	1250	899	500	1990	191	201	309	191	1720
27	109	66	196	556	570	380	618	180	208	215	130	1380
28	102	65	190	438	615	350	347	160	310	185	111	511
29	100	66	180	556	---	320	292	150	516	171	102	343
30	97	60	177	547	---	500	391	140	339	160	98	297
31	95	---	157	402	---	400	---	200	---	150	95	---
TOTAL	5652	2711	12000	18178	16029	19501	10050	9337	20102	23729	4382	14940
MEAN	182	90.4	387	586	572	629	335	301	670	765	141	498
MAX	1270	252	3030	1850	2810	5000	1990	617	3520	6330	575	3760
MIN	81	60	60	149	198	220	150	140	199	148	95	77
CFSM	.87	.43	1.84	2.79	2.72	3.09	1.60	1.43	3.19	3.64	.67	2.37
IN.	1.00	.48	2.13	3.22	2.84	3.45	1.78	1.65	3.56	4.20	.78	2.65

CAL YR 1974 TOTAL 102601 MEAN 281 MAX 3030 MIN 24 CFSM 1.34 IN 18.17
WTR YR 1975 TOTAL 156611 MEAN 429 MAX 6330 MIN 60 CFSM 2.04 IN 27.74

PEAK DISCHARGE (BASE, 3,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	2200	9.84	8,420	6-12	2030	6.78	4,190
2-25	0430	7.55	5,120	7-13	1930	12.75	14,200
3-20	0200	11.30*	11,100	7-14	1600	11.13	10,800
4-26	0700	6.36	3,710	9-24	2330	8.81	6,840
6- 1	1300	6.61	3,980				

*From floodmark.

01465770 Poquessing Creek at Trevose Road, Philadelphia, Pa.

LOCATION.--Lat 40°07'55", long 74°59'40", Bucks County, on right bank 30 ft (9 m) downstream from Trevose Road Bridge, 1 mi (1.6 km) southwest of Trevose.
DRAINAGE AREA.--5.08 mi^2 (13.2 km^2).
PERIOD OF RECORD.--July 1964 to current year.
GAGE.--Water-stage recorder and concrete control. Altitude of gage is 120 ft (37 m) from topographic map.
AVERAGE DISCHARGE.--11 years, 7.44 ft^3/s (0.211 m^3/s), 19.89 in/yr (505 mm/yr).
EXTREMES.--Current year: Maximum discharge, 1,070 ft^3/s (30.3 m^3/s) July 14 (gage height, 7.02 ft or 2.140 m); minimum, 1.7 ft^3/s (0.048 m^3/s) Oct. 11 (gage height, 1.40 ft or 0.427 m).
Period of record: Maximum discharge, 2,100 ft^3/s (59.5 m^3/s) Aug. 28, 1971 (gage height, 8.38 ft or 2.554 m, in gage well, 9.10 ft or 2.774 m outside, from floodmark), from rating curve extended above 800 ft^3/s (22.7 m^3/s) on basis of contracted-opening measurement of peak flow; minimum daily, 0.1 ft^3/s (0.003 m^3/s) Aug. 31, 1966.
REVISIONS.--Figures of maximum discharge for some water years have been revised as shown in the following table. They supersede figures published in the annual reports indicated.

WRD PA Water Year	Date	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
1972	Nov. 29, 1971	639	18.1	5.91	1.801
1973	June 29, 1973	936	26.5	6.66	2.030
1974	Aug. 4, 1974	901	25.5	6.56	1.999

REMARKS.--Records good.
REVISIONS (WATER YEARS).--WRD Penna. 1972: 1970(M), 1971(P).
REVISED PEAK DISCHARGE.--1971: Sept. 11 (1245) 765 cfs (6.15 ft).
1972: Nov. 29 (1815) 693 cfs (5.91 ft); June 22 (1515) 606 cfs (5.57 ft).
1973: Feb. 2 (1615) 799 cfs (6.26 ft); June 29 (1830) 936 cfs (6.66 ft); July 11 (1600) 756 cfs (6.12 ft).
1974: Dec. 21 (0245) 629 cfs (5.66 ft); Aug. 2 (2000) 873 cfs (6.48 ft); Aug. 4 (1800) 901 cfs (6.56 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	2.3	5.0	4.0	5.4	5.4	6.1	7.7	187	3.6	4.4	2.7
2	3.0	2.3	25	4.0	4.9	5.1	6.1	6.4	7.7	3.4	4.4	2.7
3	2.8	2.8	3.4	3.6	4.6	4.8	30	5.5	6.4	5.4	4.4	2.7
4	2.7	2.3	2.5	3.4	4.4	4.6	7.7	45	5.2	3.8	12	2.7
5	2.5	2.5	2.5	3.0	8.7	4.4	6.7	9.9	16	3.2	8.0	2.5
6	2.3	2.8	2.3	5.4	14	4.4	6.1	9.9	34	6.7	7.0	3.0
7	2.0	2.3	2.3	16	8.0	4.6	5.8	6.7	7.0	4.6	5.4	2.7
8	2.2	2.2	36	4.2	5.4	4.4	5.8	5.4	5.4	3.6	4.4	3.0
9	2.5	2.2	5.2	49	5.2	4.0	5.8	5.2	5.2	18	4.0	2.3
10	2.2	2.2	3.6	5.7	4.4	4.4	5.5	4.9	4.9	4.9	3.8	2.2
11	2.0	2.2	3.2	7.4	4.4	4.6	5.5	4.6	4.6	4.2	4.0	2.3
12	2.0	14	3.0	4.9	4.6	9.9	5.5	8.0	63	4.6	3.8	9.4
13	3.0	5.2	2.8	28	4.4	5.4	5.2	24	14	164	3.6	3.0
14	2.2	2.8	2.8	7.4	4.4	19	5.2	5.7	6.4	260	3.6	2.3
15	2.0	3.0	2.7	4.9	4.4	9.0	7.0	4.9	5.4	30	3.4	2.3
16	77	2.5	122	4.6	6.4	5.4	6.1	17	8.4	8.0	10	2.2
17	5.7	2.5	8.7	4.2	18	4.9	5.2	5.7	7.4	9.9	4.0	2.2
18	3.4	2.5	4.9	39	16	4.6	5.2	5.7	5.2	6.1	3.8	2.7
19	3.0	2.3	4.2	17	9.0	154	5.5	4.9	9.0	5.2	3.6	6.7
20	2.8	3.2	3.8	17	6.2	15	4.9	4.4	4.9	72	5.4	2.8
21	2.7	3.6	3.8	6.4	5.8	8.4	4.6	6.4	4.4	158	3.4	18
22	2.7	2.3	3.6	7.4	5.2	10	4.6	14	4.2	7.7	3.2	4.2
23	2.5	2.2	3.4	6.4	23	6.4	4.6	9.9	4.2	6.4	3.0	82
24	2.5	2.2	3.4	6.4	38	15	20	4.9	4.0	5.7	5.7	121
25	2.8	2.5	4.2	22	10	9.5	64	7.4	3.8	52	6.1	66
26	2.7	2.2	3.2	8.4	7.0	7.0	21	4.6	7.0	6.4	3.2	112
27	2.3	2.0	3.2	5.7	6.0	6.7	7.0	4.4	4.0	5.4	2.8	19
28	2.3	2.2	3.0	5.2	5.8	6.4	6.4	4.4	5.2	5.2	2.8	6.7
29	2.3	2.0	3.0	7.7	---	6.4	6.1	4.0	4.0	4.9	2.6	5.4
30	2.3	2.0	3.0	5.2	---	11	5.5	54	3.8	4.6	2.8	5.2
31	2.3	---	4.9	5.2	---	6.4	---	8.4	---	4.6	2.8	---
TOTAL	156.3	87.3	284.6	323.7	235.6	373.1	284.7	313.9	451.7	882.1	141.6	501.9
MEAN	5.04	2.91	9.18	10.4	8.41	12.0	9.49	10.1	15.1	28.5	4.57	16.7
MAX	77	14	122	49	30	154	64	54	187	260	12	121
MIN	2.0	2.0	2.3	3.0	4.4	4.0	4.6	4.0	3.8	3.2	2.8	2.2
CFSM	.99	.57	1.81	2.05	1.66	2.36	1.87	1.99	2.97	5.61	.90	3.29
IN.	1.14	.64	2.08	2.37	1.72	2.73	2.08	2.30	3.31	6.46	1.04	3.67

CAL YR 1974 TOTAL 2803.2 MEAN 7.68 MAX 122 MIN 1.5 CFSM 1.51 IN 20.52
WTR YR 1975 TOTAL 4036.5 MEAN 11.1 MAX 260 MIN 2.0 CFSM 2.19 IN 29.55

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1400	4.84	448	7-14	1100	7.02	1,070
3-19	1900	6.00	720	7-20	2345	6.45	862
6- 1	0230	5.95	705	7-25	0130	4.95	470
7-13	0830	6.14	762				

DELAWARE RIVER BASIN

01465785 Walton Run at Philadelphia, Pa.

LOCATION.--Lat 40°05'22", long 74°59'37", Philadelphia County, on right bank 110 ft (34 m) downstream from bridge on Decatur Road, 1 mi (1.6 km) upstream from mouth, Philadelphia.

DRAINAGE AREA.--2.17 mi² (5.62 km²).

PERIOD OF RECORD.--July 1964 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 75.49 ft (23.009 m, revised) above mean sea level.

AVERAGE DISCHARGE.--11 years, 3.42 ft³/s (0.097 m³/s), 21.40 in/yr (544 mm/yr).

EXTREMES.--Current year: Maximum discharge, 712 ft³/s (20.2 m³/s) Sept. 26 (gage height, 7.37 ft or 2.246 m); minimum, 0.39 ft³/s (0.011 m³/s) Nov. 22 (gage height, 2.28 ft or 0.695 m).
Period of record: Maximum discharge, 1,430 ft³/s (40.5 m³/s) Aug. 27, 1967 (gage height, 9.46 ft or 2.883 m), from rating extended above 740 ft³/s (21.0 m³/s) on basis of step-backwater analysis; minimum, 0.04 ft³/s (0.001 m³/s) Oct. 2, 1972 (gage height, 2.21 ft or 0.674 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.63	5.2	5.0	1.1	1.0	1.7	3.8	74	1.1	.90	.93
2	.95	.60	22	1.5	.80	.93	1.7	2.3	2.6	1.0	.90	.86
3	.86	.56	1.2	1.0	.86	.88	20	1.5	2.6	2.6	.90	.86
4	.74	.64	1.0	.80	.93	.85	1.9	28	1.7	.93	5.0	1.0
5	.63	.78	.74	.70	9.4	.82	1.2	3.0	10	.80	2.5	1.1
6	.58	1.0	.74	1.0	8.1	.80	1.0	3.4	25	2.8	1.5	1.2
7	.74	.70	.68	8.0	1.9	.78	1.5	1.6	2.6	1.2	1.8	.68
8	.74	.60	27	1.5	1.0	.76	1.4	1.3	1.4	1.0	1.2	.86
9	.63	.54	2.0	25	.86	.74	1.5	1.2	1.4	11	1.1	.80
10	.74	.52	1.0	2.0	.86	1.7	1.3	1.0	1.5	2.1	1.0	.80
11	.68	.80	.86	4.5	.93	1.4	1.3	.93	1.5	1.6	1.2	.80
12	.63	8.0	.86	2.0	1.0	6.7	1.1	5.0	35	1.4	1.1	8.7
13	.86	1.1	.74	20	1.2	1.6	1.0	19	11	70	1.0	1.6
14	.74	.86	.63	3.0	1.5	13	1.3	2.3	1.7	65	.90	.68
15	.80	.93	.53	1.5	1.1	3.6	3.8	1.4	1.3	14	.90	.80
16	44	.80	59	1.2	3.0	1.2	1.9	10	2.1	2.0	11	.80
17	1.6	.80	3.0	1.0	8.-	1.3	1.3	1.3	2.8	1.6	1.5	.93
18	.80	.93	.93	21	5.0	1.3	1.3	1.4	1.4	1.3	1.0	1.2
19	.68	.93	.93	4.5	2.0	70	1.1	1.3	9.0	1.1	1.0	5.5
20	.53	1.5	.85	8.0	1.3	5.2	.93	1.3	2.0	20	3.8	1.1
21	.68	.80	.75	2.5	1.1	1.9	1.6	5.5	1.5	48	.93	9.7
22	.74	.53	.70	3.0	.93	3.8	1.6	10	1.3	1.7	.93	3.8
23	.80	.48	.68	2.3	11	1.5	1.6	4.2	1.2	1.5	.74	63
24	.74	.48	.66	1.6	16	9.4	17	1.3	1.1	1.3	1.7	89
25	.80	.80	1.5	11	3.8	2.6	44	1.3	1.1	9.0	1.7	38
26	.74	.63	.80	2.1	1.7	1.6	8.1	1.0	3.0	1.2	1.0	75
27	.43	.58	.70	1.2	1.4	1.6	1.5	1.1	1.3	1.0	.93	11
28	.68	.53	.64	1.1	1.3	1.5	1.9	1.0	1.9	1.1	.93	2.1
29	.74	.58	.60	1.9	---	2.5	1.9	1.1	3.2	1.1	.93	1.7
30	.80	.58	.70	1.0	---	6.7	1.9	21	1.1	1.0	.74	1.6
31	.68	---	2.0	1.1	---	2.0	---	2.0	---	.93	.93	---
TOTAL	66.86	29.21	139.62	142.00	88.47	149.66	129.33	140.53	207.3	270.36	51.66	325.50
MEAN	2.16	.97	4.50	4.58	3.16	4.83	4.31	4.53	6.91	8.72	1.67	10.9
MAX	44	8.0	59	25	16	70	44	28	74	70	11	89
MIN	.43	.48	.53	.70	.80	.74	.93	.93	1.1	.80	.74	.68
CFSM	1.00	.45	2.07	2.11	1.46	2.23	1.99	2.09	3.18	4.02	.77	5.02
IN.	1.15	.50	2.39	2.43	1.52	2.56	2.22	2.41	3.55	4.63	.89	5.58

CAL YR 1974 TOTAL 1399.12 MEAN 3.01 MAX 59 MIN .43 CFSM 1.39 IN 18.83
WTR YR 1975 TOTAL 1740.50 MEAN 4.77 MAX 89 MIN .43 CFSM 2.20 IN 29.82

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 2	0245	4.92	294	7-13	0755	6.40	546
12-16	1145	4.82	276	7-14	1100	6.36	540
3-19	1830	6.29	528	7-21	0015	6.13	503
4-25	1905	5.08	326	9-21	0055	4.79	270
6- 1	0245	6.44	552	9-24	2240	6.34	536
7- 9	1710	5.03	316	9-26	1350	7.37	712

01465790 Byberry Creek at Chalfont Road, Philadelphia, Pa.

LOCATION.--Lat 40°05'01", long 74°58'57", Philadelphia County, on right bank 200 ft (61 m) downstream from Chalfont Road Bridge, 0.2 mi (0.3 km) downstream from Walton Run, Philadelphia.

DRAINAGE AREA.--5.34 mi² (13.8 km²).

PERIOD OF RECORD.--June 1965 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 46.84 ft or 14.277 m (revised) above mean sea level.

AVERAGE DISCHARGE.--10 years, 8.74 ft³/s (0.248 m³/s), 22.23 in/yr (565 mm/yr).

EXTREMES.--Current year: Maximum discharge, 694 ft³/s (19.7 m³/s) March 19 (gage height, 7.86 ft or 2.396 m); minimum, 1.4 ft³/s (0.040 m³/s) Oct. 14 (gage height, 1.64 ft or 0.500 m).
Period of record: Maximum discharge, 1,930 ft³/s (54.7 m³/s) Aug. 28, 1971 (gage height, 12.47 ft or 3.801 m, from floodmark), from rating curve extended above 950 ft³/s (26.9 m³/s); minimum, 0.4 ft³/s (0.011 m³/s) August 4, 1965; minimum gage height, 1.27 ft (0.387 m) June 4, 1965, before completion of control.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.2	5.8	12	4.9	3.4	3.9	18	123	4.9	5.8	2.1
2	1.9	2.2	38	2.8	3.6	3.1	3.9	5.8	9.9	4.9	5.3	2.1
3	1.9	2.2	2.4	2.6	3.4	3.6	30	4.2	8.8	8.8	4.9	2.1
4	1.9	2.1	2.1	2.2	4.2	3.6	6.0	52	5.8	4.9	14	2.1
5	1.9	2.4	1.9	1.9	17	3.1	5.4	9.3	24	4.2	9.9	2.4
6	1.7	3.4	1.9	5.8	17	3.6	5.0	8.8	48	9.9	6.7	3.9
7	1.9	2.1	1.9	16	6.7	3.4	4.8	5.8	9.3	5.8	4.2	2.1
8	1.7	1.9	50	2.8	4.2	3.4	4.6	4.9	6.2	4.6	3.1	2.4
9	1.7	1.9	4.6	51	3.6	2.6	4.5	4.6	5.8	17	3.1	2.4
10	1.7	1.6	2.4	4.6	3.4	4.2	4.4	4.6	5.8	7.7	2.8	2.4
11	1.7	1.6	2.2	8.8	3.4	3.9	4.3	4.2	5.8	6.7	4.6	2.1
12	1.6	17	2.1	3.4	3.9	14	4.2	11	64	5.8	3.9	16
13	2.4	6.2	1.9	36	3.9	4.2	4.1	40	28	115	3.1	3.4
14	1.6	2.2	1.9	7.2	4.9	24	4.0	8.2	7.7	101	3.1	1.9
15	2.8	2.2	1.7	3.6	3.9	9.3	7.0	4.9	5.8	36	3.1	2.1
16	80	1.9	107	3.4	7.7	3.9	5.0	21	6.7	18	21	2.1
17	4.6	1.7	9.9	2.8	16	3.6	4.0	4.9	10	9.9	3.4	2.1
18	2.4	1.9	3.9	44	15	3.4	4.0	4.9	6.7	7.7	2.8	2.2
19	2.2	1.9	2.8	15	6.7	123	4.5	4.9	18	6.7	2.6	8.8
20	2.1	2.6	2.8	17	4.6	17	4.0	4.9	7.7	32	6.2	2.6
21	2.1	2.4	3.1	4.9	4.2	6.2	3.7	14	5.3	106	2.4	17
22	2.2	2.2	3.6	7.2	4.2	10	3.6	17	4.9	8.8	2.6	7.2
23	2.2	1.9	2.2	5.3	24	5.8	3.5	13	6.2	6.7	2.2	96
24	2.2	1.6	2.2	4.9	30	20	12	5.8	9.3	5.8	3.4	136
25	2.2	1.9	4.6	25	9.3	8.2	60	4.6	6.2	17	6.7	77
26	2.2	1.9	2.2	7.7	4.6	4.6	20	4.2	12	4.9	3.6	121
27	1.9	1.9	2.4	4.2	3.9	3.9	6.0	4.2	4.9	4.9	3.1	25
28	1.9	1.7	2.1	3.9	3.9	3.9	5.6	3.9	6.7	4.6	2.8	5.3
29	2.2	1.5	1.9	6.2	---	3.6	5.0	4.2	8.2	4.9	2.4	4.6
30	2.2	1.5	2.1	4.6	---	12	4.8	34	4.6	4.9	2.1	4.2
31	2.2	---	8.2	4.6	---	4.9	---	7.2	---	5.8	2.1	---
TOTAL	143.2	79.7	281.8	321.4	222.1	323.4	241.8	331.0	475.3	577.8	147.0	560.6
MEAN	4.62	2.66	9.09	10.4	7.93	10.4	8.06	10.7	15.8	18.6	4.74	18.7
MAX	80	17	107	51	30	123	60	52	123	115	21	136
MIN	1.6	1.5	1.7	1.9	3.4	2.6	3.5	3.9	4.6	4.2	2.1	1.9
CFSM	.87	.50	1.70	1.95	1.49	1.95	1.51	2.00	2.96	3.48	.89	3.50
IN.	1.00	.56	1.96	2.24	1.55	2.25	1.68	2.31	3.31	4.02	1.02	3.90

CAL YR 1974 TOTAL 2690.3 MEAN 7.37 MAX 107 MIN 1.5 CFSM 1.38 IN 18.74
WTR YR 1975 TOTAL 3705.1 MEAN 10.2 MAX 136 MIN 1.5 CFSM 1.91 IN 25.81

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-19	1915	7.86	694	7-21	0115	7.56	640
6- 1	0300	7.37	608	9-24	2315	6.95	540
7-13	0845	7.22	583	9-26	1445	7.77	678
7-14	1145	6.72	506				

01465798 Poquessing Creek at Grant Avenue, Philadelphia, Pa.

LOCATION.--Lat 40°03'25", long 74°59'08", Philadelphia County, on right bank 600 ft (183 m) upstream from Delaware River Expressway and 3,000 ft (914 m) upstream from mouth in northeast Philadelphia.

DRAINAGE AREA.--21.4 mi^2 (55.4 km^2).

PERIOD OF RECORD.--July 1965 to September 1970, July 1974 to current year.

GAGE.--Water-stage recorder and concrete low-water control. Datum of gage is 2.68 ft (0.817 m) above mean sea level.

AVERAGE DISCHARGE.--6 years (1965-70, 1975), 28.3 ft^3/s (0.801 m^3/s), 17.96 in/yr (456 mm/yr).

EXTREMES.--Water year 1974: Maximum discharge, 2,100 ft^3/s (59.5 m^3/s) Dec. 21 (gage height, 8.28 ft or 2.524 m), from rating curve extended above 550 ft^3/s (15.6 m^3/s); minimum, 5.2 ft^3/s (0.15 m^3/s) Aug. 21 (gage height, 2.72 ft or 0.829 m).

Water year 1975: Maximum discharge, 2,660 ft^3/s (75.3 m^3/s) March 19, July 21 (gage height, 9.01 ft or 2.746 m), from rating curve extended above 550 ft^3/s (15.6 m^3/s); minimum, 4.7 ft^3/s (0.133 m^3/s) Oct. 14 (gage height, 2.70 ft or 0.823 m).

Period of record: Maximum discharge, 4,660 ft^3/s (132 m^3/s) Aug. 27, 1967 (gage height, 10.98 ft or 3.347 m), from rating curve extended above 550 ft^3/s (15.6 m^3/s); minimum, 1.1 ft^3/s (0.031 m^3/s) Aug. 29, 1966 (gage height, 2.43 ft or 0.741 m).

Flood of Aug. 28, 1971 reached a stage of 13.05 ft (3.978 m), from floodmark (discharge, 7,380 ft^3/s or 209 m^3/s).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										33	6.6	6.6
2										11	77	70
3										12	77	156
4										11	91	102
5										69	46	13
6										19	11	11
7										12	47	190
8										10	12	18
9										11	91	12
10										34	38	10
11										16	10	11
12										8.0	7.5	10
13										8.5	7.5	8.9
14										8.5	8.0	96
15										8.0	8.9	11
16										9.9	6.9	8.9
17										9.9	26	8.0
18										8.5	18	8.5
19										8.5	6.9	8.0
20										6.9	6.6	8.9
21										6.0	6.0	24
22										6.0	25	22
23										6.6	126	8.0
24										51	13	7.5
25										11	8.0	8.5
26										6.9	6.3	7.5
27										6.3	7.5	7.5
28										6.3	34	57
29										6.3	20	96
30										66	6.9	19
31										8.0	6.9	---
TOTAL										495.1	862.5	1024.8
MEAN										16.0	27.8	34.2
MAX										69	126	190
MIN										6.0	6.0	6.6
CFSM										.75	1.30	1.60
IN.										.86	1.50	1.78

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10- 2	2000	7.84	1,790	12-21	0300	8.28	2,100
10-29	1300	7.27	1,400	4- 9	0645	6.29	875
12- 9	1345	6.26	860	8- 2	2130	6.57	1,020

01465798 Poquessing Creek at Grant Avenue, Philadelphia, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	8.0	8.9	49	19	18	22	27	400	13	18	7.5
2	8.0	11	134	16	18	15	21	21	41	12	19	7.5
3	6.9	14	11	11	16	15	159	16	29	25	18	7.5
4	6.3	12	7.2	11	15	14	38	174	24	19	51	6.9
5	6.0	13	6.3	9.4	57	13	21	44	56	11	55	7.2
6	5.8	15	6.3	14	71	13	18	27	214	26	25	10
7	5.5	7.5	6.6	77	36	14	16	27	40	43	23	6.9
8	6.0	7.2	172	15	23	14	15	18	22	15	15	6.3
9	6.0	6.0	25	184	19	11	15	16	20	46	14	6.9
10	6.0	5.8	12	23	17	14	15	16	22	26	13	6.0
11	6.0	6.0	9.4	36	16	16	15	15	18	22	14	5.8
12	6.0	45	8.9	18	17	46	14	23	258	18	24	50
13	8.9	45	8.5	136	18	22	14	172	128	510	13	21
14	5.2	7.5	8.0	39	19	84	14	37	29	513	12	6.6
15	5.8	7.5	7.5	18	18	44	25	18	23	156	11	5.8
16	288	6.3	460	16	26	18	24	91	21	36	82	6.0
17	26	5.8	47	14	55	16	14	21	34	31	15	5.8
18	10	5.8	20	148	81	14	13	18	21	25	12	6.0
19	8.0	5.8	14	64	33	624	14	16	57	21	11	41
20	8.5	7.5	13	88	22	103	12	16	31	82	26	11
21	8.5	9.4	12	27	18	34	12	34	17	714	10	61
22	8.9	7.5	12	30	17	42	12	31	16	37	10	13
23	8.5	5.5	9.9	24	95	39	12	60	17	27	8.9	362
24	8.5	5.5	9.9	23	109	90	77	18	36	24	9.9	485
25	8.5	5.8	18	95	55	51	318	18	18	97	26	524
26	9.9	6.6	10	43	24	27	134	15	37	24	11	594
27	8.0	5.5	9.4	21	18	24	24	13	16	21	9.4	122
28	7.5	5.8	9.4	19	17	22	19	12	21	19	8.5	33
29	8.5	5.2	8.5	27	---	22	18	11	30	19	8.0	25
30	8.5	5.0	8.5	18	---	57	17	112	14	18	8.0	22
31	8.0	---	20	18	---	25	---	41	---	18	7.2	---
TOTAL	531.1	303.5	1113.2	1331.4	949	1561	1134	1178	1710	2668	587.9	2472.7
MEAN	17.1	10.1	35.9	42.9	33.9	50.4	37.8	38.0	57.0	86.1	19.0	82.4
MAX	288	45	460	184	109	624	318	174	400	714	82	594
MIN	5.2	5.0	6.3	9.4	15	11	12	11	14	11	7.2	5.8
CFSM	.80	.47	1.68	2.00	1.58	2.36	1.77	1.78	2.66	4.02	.89	3.85
IN.	.92	.53	1.94	2.31	1.65	2.71	1.97	2.05	2.97	4.64	1.02	4.30

CAL YR 1974 TOTAL - MEAN - MAX - MIN - CFSM - IN -
WTR YR 1975 TOTAL 15539.8 MEAN 42.6 MAX 714 MIN 5.0 CFSM 1.99 IN 27.01

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1145	6.35	905	7-13	0930	8.23	2,060
12-16	1445	7.53	1,570	7-14	1445	7.89	1,820
3-19	2030	9.01	2,660	7-21	0315	9.01	2,660
4-25	2215	7.19	1,360	9-25	0100	7.37	1,460
6- 1	0630	8.18	2,030	9-26	1730	8.67	2,390

01467042 Pennypack Creek at Pine Road, Philadelphia, Pa.

LOCATION.--Lat 40°05'23", long 75°04'10", Philadelphia County, on right bank 20 ft (6 m) below Pine Road, 300 ft (91 m) upstream from Stream "A" at north city limits of Philadelphia.

DRAINAGE AREA.--37.9 mi^2 (98.2 km^2).

PERIOD OF RECORD.--August 1964 to September 1970, July 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 80.41 ft (24.509 m) above mean sea level.

AVERAGE DISCHARGE.--7 years (1964-1970, 1975), 57.6 ft^3/s (1.631 m^3/s), 20.64 in/yr (524 mm/yr).

EXTREMES.--Water year 1974: Maximum discharge, 3,770 ft^3/s (107 m^3/s) Dec. 21 (gage height, 10.02 ft or 3.054 m, from floodmarks), from rating curve extended as explained below; minimum, 13 ft^3/s (0.37 m^3/s) July 23 (gage height, 2.74 ft or 0.835 m).

Water year 1975: Maximum discharge, 2,980 ft^3/s (84.4 m^3/s) July 14 (gage height, 9.17 ft or 2.795 m), from rating curve extended as explained below; minimum, 22 ft^3/s (0.62 m^3/s) Nov. 30 (gage height, 2.83 ft or 0.863 m).

Period of record: Maximum discharge, 3,770 ft^3/s (107 m^3/s) Dec. 21, 1973 (gage height, 10.02 ft or 3.054 m), from rating curve extended above 720 ft^3/s (20.4 m^3/s) on basis of step-backwater analysis; minimum, 5.2 ft^3/s (0.15 m^3/s) July 26, 27, 1966 (gage height, 2.47 ft or 0.753 m).

Flood of Aug. 28, 1971 reached a stage of 11.08 ft (3.377 m), from floodmark (discharge, 5,160 ft^3/s or 146 m^3/s).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										38	16	25
2										28	264	60
3										25	153	181
4										25	201	242
5										77	40	44
6										38	32	38
7										24	55	278
8										23	32	58
9										22	254	46
10										26	120	41
11										23	35	39
12										20	30	37
13										18	28	37
14										18	28	203
15										19	26	44
16										19	25	39
17										18	64	36
18										18	34	34
19										23	24	32
20										17	24	31
21										16	23	44
22										16	30	47
23										15	448	30
24										69	46	28
25										24	31	29
26										18	28	29
27										17	28	27
28										17	35	183
29										16	35	281
30										66	81	55
31										18	35	---
TOTAL										811	2345	2298
MEAN										26.2	75.6	76.6
MAX										77	448	281
MIN										15	16	25
CFSM										.69	1.99	2.02
IN.										.80	2.30	2.26

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-29	1400	5.83	1,030	8- 2	2200	6.43	1,300
12-21	Unk.	10.02*	3,770	8- 9	2230	6.74	1,460
3-21	Unk.	6.52	1,350	8-23	0900	7.11	1,640
3-31	Unk.	Unk.	Unk.	9-29	0130	6.40	1,290

*From floodmark.

01467042 Pennypack Creek at Pine Road, Philadelphia, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	38	28	140	67	77	76	74	826	45	66	34
2	36	40	172	45	64	72	73	67	151	42	62	34
3	34	42	40	44	61	69	170	59	133	45	60	36
4	33	41	31	42	57	64	86	211	118	56	190	34
5	32	42	29	40	79	62	75	97	151	46	150	34
6	30	45	28	50	113	61	72	79	421	77	90	41
7	30	40	27	260	92	61	70	78	151	182	70	36
8	30	39	305	50	68	60	68	65	120	100	60	34
9	29	38	77	300	62	53	66	62	111	140	52	34
10	29	36	46	70	57	55	64	61	107	100	49	33
11	29	37	40	65	56	58	63	58	101	70	49	33
12	30	79	39	54	59	84	61	71	518	90	47	100
13	38	171	36	300	56	67	59	186	429	1150	45	50
14	32	31	36	120	53	123	57	65	118	1130	44	35
15	33	30	33	60	52	105	65	59	101	274	42	30
16	532	29	730	58	60	66	70	173	99	142	93	29
17	90	28	141	56	89	59	58	68	120	119	47	28
18	51	28	78	250	172	55	57	69	100	103	44	27
19	46	30	62	140	112	710	58	61	130	93	41	58
20	43	33	52	230	81	366	55	57	100	117	51	31
21	41	35	46	100	69	118	51	130	80	506	39	189
22	41	31	43	90	65	112	50	100	70	101	37	41
23	41	28	41	85	171	110	49	130	62	87	37	518
24	41	28	40	80	302	142	118	57	80	81	41	789
25	41	29	80	164	185	127	332	57	60	420	126	318
26	42	31	45	110	98	93	283	51	100	150	41	280
27	38	29	40	77	87	85	80	51	60	100	37	191
28	38	29	38	73	81	82	71	46	58	90	36	87
29	38	27	37	97	---	82	66	43	64	82	34	75
30	37	26	37	73	---	120	62	256	50	75	34	69
31	38	---	37	69	---	82	---	90	---	70	33	---
TOTAL	1683	1190	2514	3392	2568	3480	2585	2731	4789	5883	1847	3328
MEAN	54.3	39.7	81.1	109	91.7	112	86.2	88.1	160	190	59.6	111
MAX	532	171	730	300	302	710	332	256	826	1150	190	789
MIN	29	26	27	40	52	53	49	43	50	42	33	27
CFSM	1.43	1.05	2.14	2.88	2.42	2.96	2.27	2.32	4.22	5.01	1.57	2.93
IN.	1.65	1.17	2.47	3.33	2.52	3.42	2.54	2.68	4.70	5.77	1.81	3.27

CAL YR 1974	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN	-
WTR YR 1975	TOTAL	35990	MEAN	98.6	MAX	1150	MIN	26	CFSM	2.60	IN	35.32

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1315	6.05	1,130	6-13	0015	6.53	1,360
12-16	1815	7.81	2,030	7-13	1230	8.81	2,690
12-29	1800	5.86	1,040	7-14	1515	9.17	2,980
3-19	2245	8.76	2,650	7-21	0145	6.65	1,420
4-25	2345	6.07	1,140	7-25	0315	6.61	1,400
6- 1	0600	8.31	2,330	9-24	0130	6.02	1,110

01467048 Pennypack Creek at Lower Rhawn Street Bridge, Philadelphia, Pa.

LOCATION.--Lat 49°03'00", long 75°01'59", Philadelphia County, on left bank at downstream side of footbridge pier, 400 ft (122 m) downstream from Rhawn Street Bridge, 0.8 mi (1.3 km) upstream from Wooden Bridge Run, in Philadelphia.

DRAINAGE AREA.--49.8 mi^2 (129 km^2).

PERIOD OF RECORD.--June 1965 to September 1970, July 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.27 ft (6.483 m) above mean sea level.

AVERAGE DISCHARGE.--6 years (1965-1970, 1975), 75.8 ft^3/s (2.147 m^3/s), 20.67 in/yr (525 mm/yr).

EXTREMES.--Water year 1974: Maximum discharge, 3,900 ft^3/s (110 m^3/s) Dec. 21 (gage height, 8.15 ft or 2.484 m); minimum, 16 ft^3/s (0.45 m^3/s) July 23 (gage height, 2.14 ft or 0.652 m).
Water year 1975: Maximum discharge, 4,240 ft^3/s (120 m^3/s) July 14 (gage height, 8.43 ft or 2.569 m); minimum, 22 ft^3/s (0.62 m^3/s) Sept. 18 (gage height, 2.24 ft or 0.683 m).
Period of record: Maximum discharge, 5,160 ft^3/s (146 m^3/s) Aug. 27, 1967 (gage height, 10.54 ft or 3.213 m); minimum, 6.0 ft^3/s (0.17 m^3/s) Oct. 11, 1966 (gage height, 1.97 ft or 0.600 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										45	20	26
2										31	273	96
3										29	296	240
4										29	261	357
5										100	145	45
6										44	32	38
7										31	70	387
8										28	33	59
9										25	181	45
10										35	265	39
11										28	35	36
12										23	30	35
13										20	28	35
14										20	27	261
15										21	26	43
16										21	24	38
17										20	54	35
18										20	43	34
19										30	24	33
20										19	23	32
21										18	22	48
22										18	34	59
23										18	579	31
24										109	49	30
25										32	33	29
26										22	29	28
27										20	31	27
28										20	35	473
29										20	46	149
30										133	63	56
31										23	43	---
TOTAL										1052	2856	2844
MEAN										33.9	92.1	94.8
MAX										133	579	473
MIN										18	20	26
CFSM										.68	1.85	1.90
IN.										.79	2.13	2.12

PEAK DISCHARGE (BASE, 1,250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-29	1415	5.13	1,280	8- 2	2215	5.64	1,620
12-21	0945	8.15	3,900	8- 9	2400	5.54	1,550
12-26	2045	5.86	1,790	8-23	1015	6.09	1,970
3-21	1700	5.71	1,670	9-27	1800	5.28	1,370
3-31	0445	6.87	2,600				

01467048 Pennypack Creek at Lower Rhawn Street Bridge, Philadelphia, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	34	34	133	77	93	96	105	1180	56	74	31
2	35	35	282	59	74	86	93	93	206	52	70	31
3	33	36	43	46	70	80	315	77	165	61	65	32
4	32	36	33	46	65	74	121	353	137	77	206	30
5	31	38	30	43	125	72	93	165	223	48	173	29
6	30	43	30	49	161	70	90	109	465	74	99	38
7	30	35	29	244	129	70	86	117	219	185	80	31
8	29	33	413	59	86	64	83	86	133	169	61	30
9	29	33	113	426	74	61	77	80	117	248	56	28
10	28	32	49	96	67	65	77	77	105	129	51	26
11	28	32	43	99	63	70	74	74	99	74	51	26
12	27	80	42	70	63	117	72	99	575	99	51	121
13	35	173	39	282	65	102	70	332	633	1470	48	90
14	31	36	39	141	70	185	67	90	181	1750	48	27
15	31	35	36	74	61	181	83	74	141	422	45	26
16	710	31	942	67	72	86	99	286	153	223	198	26
17	121	30	235	63	129	72	70	93	173	189	51	26
18	49	30	93	332	252	65	67	86	113	145	45	26
19	42	31	72	[illegible]	153	629	67	74	210	125	42	77
20	39	34	63	298	102	825	67	70	137	149	61	33
21	38	38	56	113	80	160	61	202	86	765	39	256
22	38	33	52	109	74	150	59	157	80	153	38	48
23	36	28	49	99	265	145	59	206	77	121	36	665
24	36	28	49	96	306	190	177	72	102	109	36	1060
25	36	30	56	240	294	160	473	70	74	465	173	557
26	38	31	48	173	129	130	439	61	145	137	42	461
27	34	27	43	96	109	120	113	61	72	109	36	311
28	34	29	43	86	99	110	96	56	72	99	33	125
29	35	26	42	125	---	110	86	52	83	93	34	96
30	34	26	42	93	---	170	80	396	65	86	32	83
31	34	---	52	80	---	99	---	177	---	77	31	---
TOTAL	1822	1163	3192	4143	3374	4611	3510	4050	6221	7959	2108	4446
MEAN	58.8	38.8	103	134	121	149	117	131	207	257	68.0	148
MAX	710	173	942	426	366	825	473	396	1180	1750	206	1060
MIN	27	26	29	43	61	61	59	52	65	48	31	26
CFSM	1.18	.78	2.07	2.69	2.43	2.99	2.35	2.63	4.16	5.16	1.37	2.97
IN.	1.36	.87	2.38	3.09	2.52	3.44	2.62	3.03	4.65	5.95	1.57	3.32

CAL YR 1974 TOTAL - MEAN - MAX - MIN - CFSM - IN -
WTR YR 1975 TOTAL 46599 MEAN 128 MAX 1750 MIN 26 CFSM 2.57 IN 34.81

PEAK DISCHARGE (BASE, 1,250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1200	5.17	1,300	6- 1	0730	6.96	2,670	7-25	0600	5.40	1,450
12-16	2015	6.42	2,240	6-13	0530	5.44	1,480	9-24	2230	5.98	1,880
3-20	0200	7.48	3,180	7-13	1600	7.79	3,490	9-26	1645	5.33	1,400
4-25	2400	5.35	1,420	7-14	1515	8.43	4,240				
5-30	1600	5.16	1,300	7-21	0330	5.88	1,800				

01467049 Wooden Bridge Run at Grant Avenue, Philadelphia, Pa.

LOCATION.--Lat 40°04'36", long 75°01'19", Philadelphia County, on left bank 20 ft (6 m) downstream from Grant Avenue Bridge in northeast Philadelphia.

DRAINAGE AREA.--1.06 mi^2 (2.75 km^2).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 80 ft (24.4 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 709 ft^3/s (20.1 m^3/s) Sept. 26 (gage height, 7.68 ft or 2.341 m); minimum, 0.06 ft^3/s (0.002 m^3/s) Sept. 29 (gage height, 2.05 ft or 0.625 m).
Period of record: Maximum discharge, 709 ft^3/s (20.1 m^3/s) Sept. 26, 1975 (gage height, 7.68 ft or 2.341 m); minimum, 0.06 ft^3/s (0.002 m^3/s) Sept. 29, 1975 (gage height, 2.05 ft or 0.625 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.26	1.8	1.5	.55	.55	.43	1.2	25	.44	.42	.30
2	.34	.23	6.0	.25	.38	.49	.43	.84	.74	.42	.41	.31
3	.34	.26	.24	.28	.36	.49	6.7	.61	1.2	.83	.41	.34
4	.30	.23	.21	.24	.36	.49	.58	9.3	.53	.44	3.1	.40
5	.43	.34	.20	.22	3.0	.49	.48	.84	5.1	.40	1.3	.33
6	.55	.49	.20	1.4	2.9	.49	.46	1.2	6.0	1.1	1.0	.70
7	.55	.26	.23	2.2	.68	.55	.45	.61	.70	.57	.54	.36
8	.55	.26	8.2	.32	.42	.61	.46	.49	.50	.43	.40	.39
9	.55	.23	.32	9.0	.40	.49	.45	.49	.45	5.7	.36	.40
10	.30	.23	.22	.37	.36	.68	.46	.55	.44	.93	.30	.48
11	.26	.23	.22	1.2	.37	.61	.45	.49	.45	.51	.28	.56
12	.34	3.7	.21	.35	.40	2.0	.46	2.1	11	.72	.28	4.5
13	.55	.68	.21	6.5	.46	.68	.44	5.5	4.7	24	.32	.50
14	.43	.30	.24	.58	.58	4.7	.49	.68	.67	26	.34	.45
15	.61	.38	.22	.29	.58	1.1	1.2	.49	.59	4.2	.38	.48
16	16	.26	19	.29	1.4	.61	.30	3.5	1.3	.76	4.9	.50
17	.61	.30	.73	.28	3.5	.61	.23	.55	.74	.76	.47	.49
18	.38	.30	.30	8.5	1.5	.61	.26	.61	.49	.61	.38	.64
19	.30	.26	.28	2.6	.60	23	.30	.49	4.7	.61	.36	2.3
20	.26	.61	.26	2.0	.41	1.4	.23	.49	.92	8.6	.85	.62
21	.26	.49	.26	.53	.38	.57	.23	2.8	.61	12	.37	3.9
22	.26	.30	.25	1.0	.38	1.4	.23	4.4	.61	.55	.41	1.7
23	.26	.26	.24	.64	4.1	.54	.26	1.1	.55	.49	.38	21
24	.26	.26	.23	.59	5.2	3.5	5.5	.61	1.6	.49	.98	27
25	.26	.38	.57	4.2	1.0	.80	14	.61	.68	3.6	.44	13
26	.26	.30	.24	.72	.55	.48	2.0	.55	2.1	.48	.20	12
27	.30	.30	.23	.42	.55	.46	.61	.49	.49	.48	.13	5.0
28	.23	.30	.22	.39	.55	.44	.68	.49	.85	.44	.15	.38
29	.30	.3[illegible]	.23	.75	---	.45	.61	.49	1.0	.41	.14	.13
30	.26	.30	.22	.37	---	1.9	.55	8.3	.45	.42	.17	.30
31	.26	---	1.3	.47	---	.44	---	.76	---	.44	.26	---
TOTAL	26.90	13.00	43.28	48.45	31.92	51.63	39.93	51.63	75.16	97.83	20.43	99.46
MEAN	.87	.43	1.40	1.56	1.14	1.67	1.33	1.67	2.51	3.16	.66	3.32
MAX	16	3.7	19	9.0	5.2	23	14	9.3	25	26	4.9	27
MIN	.23	.23	.20	.22	.36	.44	.23	.49	.44	.40	.13	.13
CFSM	.82	.41	1.32	1.47	1.08	1.58	1.25	1.58	2.37	2.98	.62	3.13
IN.	.94	.46	1.52	1.70	1.12	1.81	1.40	1.81	2.64	3.43	.72	3.49

CAL YR 1974 TOTAL 447.48 MEAN 1.23 MAX 19 MIN .20 CFSM 1.16 IN 15.69
WTR YR 1975 TOTAL 599.62 MEAN 1.64 MAX 27 MIN .13 CFSM 1.55 IN 21.02

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-19	1815	5.31	247	7-14	1040	6.23	402
5-21	0925	4.63	156	7-20	2400	6.20	396
6- 1	0340	6.10	378	8- 4	1855	4.84	183
6-19	1940	5.01	205	9-21	0040	4.96	199
7- 9	1640	5.14	224	9-24	2220	5.77	320
7-13	0740	6.03	365	9-26	1315	7.68	709

01467050 (revised) Wooden Bridge Run at Philadelphia, Pa.

LOCATION.--Lat 40°03'19", long 75°01'22", Philadelphia County, on left bank 200 ft (61 m) upstream from Penn Central Railroad bridge, 600 ft (183 m) southeast of Holme Avenue and 1,500 ft (457 m) upstream from mouth in Philadelphia.

DRAINAGE AREA.--3.35 mi^2 (8.68 km^2).

PERIOD OF RECORD.--June 1965 to September 1970, October 1974 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 29.69 ft (0.050 m) above mean sea level. Prior to July 6, 1966 water-stage recorder at site 300 ft (91 m) downstream at same datum.

AVERAGE DISCHARGE.--6 years (1965-70, 1975), 5.17 ft^3/s (0.146 m^3/s), 20.96 in/yr (532 mm/yr).

EXTREMES.--Water year 1974: Maximum discharge, 434 ft^3/s (12.3 m) Dec. 21 (gage height, 6.81 ft or 2.076 m); minimum, 0.69 ft^3/s (0.020 m^3/s) Nov. 11, 12, 13, 14 (gage height, 3.12 ft or 0.951 m).

Water year 1975: Maximum discharge, 710 ft^3/s (20.1 m^3/s) Sept. 26 (gage height, 8.13 ft or 2.478 m), from rating curve extended as explained below; minimum, 0.83 ft^3/s (0.024 m^3/s) Nov. 29, 30, Dec. 1; minimum gage height, 3.04 ft (0.927 m) Aug. 15.

Period of record: Maximum discharge, 1,860 ft^3/s (52.7 m^3/s) Aug. 27, 1967 (gage height, 12.20 ft or 3.719 m), from rating curve extended above 300 ft^3/s (8.5 m^3/s) on basis of flow through culvert at gage height, 11.96 ft (3.645 m); minimum, 0.1 ft^3/s (0.003 m^3/s) Aug. 14, 15, 22, 1966 (gage height, 1.44 ft or 0.439 m at former site, 3.28 ft or 1.000 m at present site).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	2.8	.99
2										---	24	9.5
3										---	6.9	35
4										---	---	14
5										---	1.9	1.6
6										---	1.3	1.6
7										---	8.8	37
8										---	1.5	2.1
9										---	9.3	1.4
10										---	2.7	1.5
11										3.0	1.1	1.4
12										3.1	1.1	1.3
13										2.9	1.3	1.5
14										2.8	1.3	17
15										2.8	1.2	1.1
16										2.9	1.2	.98
17										2.8	3.7	.98
18										2.8	1.3	1.0
19										2.8	.93	1.1
20										2.6	.98	1.1
21										2.0	.95	5.3
22										2.1	6.5	2.3
23										2.1	31	.91
24										12	1.[illegible]	.88
25										2.3	.9[illegible]	.98
26										2.3	.99	1.3
27										2.7	1.3	1.2
28										2.7	8.0	19
29										2.8	2.8	13
30										16	1.0	3.0
31										2.8	1.0	---
TOTAL										---	---	180.02
MEAN										---	---	6.00
MAX										---	---	37
MIN										---	---	.88
CFSM										---	---	1.79
IN.										---	---	2.00

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-29	1130	6.69	412	3-30	Unk.	6.18	322
12-21	Unk.	6.81	434	9- 3	0615	6.28	339
3-21	1430	6.60	396				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.4	4.2	8.4	3.7	3.6	3.2	5.3	94	2.1	1.9	1.4
2	2.0	2.1	23	2.7	3.2	3.5	3.1	3.3	5.0	2.1	1.9	1.7
3	1.9	1.8	2.8	2.2	3.0	3.4	27	2.3	6.0	3.5	1.7	2.3
4	1.9	2.2	1.9	2.2	3.0	3.4	5.1	37	4.0	2.9	8.4	2.3
5	1.8	2.5	1.6	2.1	13	3.2	2.5	3.5	22	2.5	5.3	2.1
6	1.7	3.3	1.4	3.5	16	3.2	2.2	5.0	29	2.7	3.3	3.5
7	1.9	2.1	1.3	13	5.7	3.3	2.0	3.0	5.3	6.3	2.9	1.4
8	1.9	2.1	34	2.7	3.6	3.6	5.9	2.5	3.4	3.1	1.9	1.5
9	1.9	1.9	3.3	35	3.3	3.2	2.8	1.9	2.9	13	1.7	1.7
10	1.6	1.7	1.7	3.7	3.1	4.0	2.8	2.1	2.7	2.9	1.7	1.5
11	1.5	2.1	1.5	6.7	3.2	3.9	2.9	2.0	2.5	3.1	1.9	1.5
12	1.3	13	1.4	3.3	3.5	12	2.8	6.5	48	2.5	1.7	9.7
13	1.9	5.4	1.4	27	3.4	3.8	2.7	26	24	88	1.4	2.9
14	1.3	1.9	1.6	5.7	3.6	23	2.9	3.5	2.7	76	1.4	1.4
15	1.5	2.1	1.4	3.2	3.5	8.7	6.2	2.8	2.5	20	1.4	1.4
16	55	1.6	71	2.8	6.5	3.6	5.1	16	2.7	3.9	18	1.7
17	4.0	1.7	6.4	2.6	14	3.3	4.0	2.8	3.4	3.1	2.1	1.9
18	2.0	2.6	3.2	33	14	3.2	4.1	3.1	2.7	2.5	1.5	1.9
19	2.0	2.9	2.7	12	5.3	87	3.7	2.7	18	2.7	1.4	6.9
20	1.2	4.0	2.5	13	4.0	12	2.7	2.6	3.9	12	2.5	2.7
21	1.9	4.5	2.1	4.3	3.7	5.1	2.6	11	3.6	66	1.5	8.1
22	2.5	5.1	2.2	5.3	3.5	7.6	2.5	21	4.7	2.9	1.9	2.7
23	2.4	4.0	2.4	4.0	19	4.7	2.5	10	4.2	1.9	1.9	65
24	2.3	4.2	2.3	4.4	24	16	21	3.0	10	1.9	2.7	98
25	2.4	4.9	3.8	21	9.4	6.8	57	2.9	2.5	6.9	3.5	54
26	2.0	5.3	2.1	6.7	4.8	4.0	17	2.5	6.6	2.1	2.3	98
27	1.5	3.5	2.1	4.1	4.1	3.5	3.4	2.8	2.5	2.1	1.8	19
28	1.8	1.1	2.1	3.7	3.9	2.9	3.1	2.4	3.1	2.1	1.7	5.8
29	2.3	.87	1.9	5.0	---	2.8	2.9	3.0	3.1	2.1	1.5	5.1
30	2.4	.89	2.0	3.5	---	8.9	2.6	27	2.1	2.1	1.5	4.0
31	2.5	---	5.1	3.8	---	3.1	---	4.0	---	1.9	1.4	---
TOTAL	114.1	93.76	196.4	250.6	191.0	260.3	208.3	223.6	327.1	346.9	85.7	411.1
MEAN	3.68	3.13	6.34	8.08	6.82	8.40	6.94	7.21	10.9	11.2	2.76	13.7
MAX	55	13	71	35	24	87	57	37	94	88	18	98
MIN	1.2	.87	1.3	2.1	3.0	2.8	2.0	1.9	2.1	1.9	1.4	1.4
CFSM	1.10	.93	1.89	2.41	2.04	2.51	2.07	2.15	3.25	3.34	.82	4.09
IN.	1.27	1.04	2.18	2.78	2.12	2.89	2.31	2.48	3.63	3.85	.95	4.56

WTR YR 1975 TOTAL 2708.86 MEAN 7.42 MAX 98 MIN .87 CFSM 2.21 IN 30.07

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-19	1900	7.42	554	7-14	1315	6.81	434
4-25	2115	6.11	310	7-21	0115	7.04	478
6- 1	0215	7.49	568	9-24	2315	6.99	468
7-13	0845	7.17	504	9-26	1445	8.13	710

01467083 Tacony Creek near Jenkintown, Pa.

LOCATION.--Lat 40°05'08", long 75°08'08", Montgomery County, on right bank 700 ft (213 m) downstream from State Highway 73 (Washington Lane) and 0.5 mi (0.8 km) south of Jenkintown Railroad Station.
DRAINAGE AREA.--5.25 mi² (13.6 km²).
PERIOD OF RECORD.--October 1973 to current year.
GAGE.--Water-stage recorder. Altitude of gage is 200 ft (61 m) from topographic map.
EXTREMES.--Current year: Maximum discharge, 1,560 ft³/s (44.2 m³/s) July 14 (gage height, 5.41 ft or 1.649 m), from rating curve extended above 150 ft³/s (4.25 m³/s) as explained below; minimum, 2.4 ft³/s (0.068 m³/s) Oct. 11, 12, 13; minimum gage height, 0.74 ft (0.226 m) Dec. 6, 7, 15, 16, 30, Jan. 4, 5, 6, Sept. 15, 18.
Period of record: Maximum discharge, 2,560 ft³/s (72.5 m³/s) Aug. 23, 1974 (gage height, 7.54 ft or 2.298 m), from rating curve extended above 150 ft³/s (4.25 m³/s) on basis of slope-area measurement of peak flow; minimum, 2.1 ft³/s (0.059 m³/s) Aug. 15, 16, 17, 20, 21, 22, 1974 (gage height, 0.67 ft or 0.204 m).
REVISIONS.--The maximum discharge for water year 1974 has been revised to 2,560 ft³/s (72.5 m³/s) Aug. 23, 1974 (gage height, 7.54 ft or 2.298 m), superseding figure published in WRD Pa. 1974.
REMARKS.--Records good.
REVISIONS.--Revised figures of discharge, in cubic feet per second, for water year 1974, superseding figures published in WRD Pa. 1974, are given below:

Month	CFS-days	Date Maximum	Discharge Minimum	Mean	Per square mile	Runoff in inches
		Aug. 23, 1974	207			
August 1974	445.4	207	2.4	14.4	2.74	3.16
WTR Yr 1974	3,879.8	207	2.3	10.6	2.02	27.50

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.9	9.1	11	7.2	7.2	6.7	9.7	113	6.2	7.7	4.3
2	3.2	4.0	29	4.7	6.2	6.2	6.7	7.2	11	5.7	7.2	4.3
3	3.2	3.9	3.6	4.7	6.7	6.7	26	5.7	12	5.7	6.7	3.9
4	3.2	4.6	3.4	4.3	6.7	6.2	8.7	33	9.2	5.2	22	3.9
5	3.2	4.6	3.4	3.9	13	6.2	8.2	9.2	30	4.7	9.2	3.9
6	2.9	5.0	3.9	11	16	6.2	7.7	12	33	10	10	6.7
7	2.9	3.9	3.4	17	9.2	6.7	7.7	8.2	10	35	7.2	3.6
8	3.2	3.6	44	5.7	7.2	6.2	7.7	7.7	8.7	6.2	6.7	3.6
9	3.2	3.4	6.2	42	6.2	5.2	7.7	7.2	8.2	12	6.2	3.6
10	2.9	3.2	5.2	7.2	6.2	7.7	7.7	7.2	8.2	7.2	5.7	3.6
11	2.9	3.6	4.7	9.7	6.2	6.2	7.7	6.7	7.7	5.7	5.7	3.9
12	2.9	20	4.7	6.2	6.7	14	7.2	14	52	31	5.7	21
13	3.4	5.4	4.3	27	6.7	6.2	7.7	20	25	108	6.2	3.6
14	2.9	3.6	4.7	8.2	6.7	24	7.7	7.2	10	120	6.2	3.0
15	4.6	4.2	3.9	7.2	7.2	9.2	12	7.2	8.7	28	5.7	3.0
16	81	3.6	103	6.7	8.7	6.2	7.7	26	9.7	13	18	3.3
17	4.6	3.2	10	5.7	18	6.2	8.2	7.2	9.2	11	5.2	3.3
18	3.6	3.4	6.7	39	14	6.2	8.2	8.2	8.2	9.7	5.2	3.6
19	3.6	3.6	5.7	17	9.7	149	8.7	7.2	33	9.2	4.7	11
20	3.6	5.4	5.2	16	7.2	15	7.7	6.2	9.2	31	8.2	3.0
21	3.9	4.2	5.2	8.7	6.7	8.7	8.7	11	7.7	39	4.7	50
22	3.9	3.6	4.3	10	6.2	11	8.7	35	7.2	9.7	4.7	13
23	3.9	3.4	4.3	8.7	22	7.2	8.7	9.7	6.7	8.7	4.3	85
24	3.9	3.4	4.3	8.2	41	17	33	5.7	7.7	9.2	6.2	80
25	4.2	4.6	5.7	22	12	8.7	58	5.7	6.7	82	5.2	26
26	3.9	3.6	3.9	8.2	9.2	7.2	15	5.2	13	10	4.7	42
27	3.6	3.9	3.9	7.2	8.2	6.7	7.2	5.7	6.7	9.2	5.2	15
28	3.9	3.4	3.9	7.2	7.7	6.7	7.2	5.2	17	8.7	4.3	8.7
29	3.6	3.4	3.9	9.2	---	6.7	6.7	5.2	7.7	8.2	3.9	7.7
30	3.9	3.4	3.9	7.2	---	14	6.2	51	6.2	8.2	3.9	7.2
31	3.9	---	9.2	7.2	---	6.7	---	8.2	---	7.7	3.9	---
TOTAL	187.0	133.2	316.6	358.0	288.7	407.3	337.0	364.6	502.6	665.1	210.4	434.7
MEAN	6.03	4.44	10.2	11.5	10.3	13.1	11.2	11.8	16.8	21.5	6.79	14.5
MAX	81	20	103	42	41	149	58	51	113	120	22	85
MIN	2.9	3.2	3.4	3.9	6.2	5.2	6.2	5.2	6.2	4.7	3.9	3.0
CFSM	1.15	.85	1.94	2.19	1.96	2.50	2.13	2.25	3.20	4.10	1.29	2.76
IN.	1.32	.94	2.24	2.54	2.05	2.89	2.39	2.58	3.56	4.71	1.49	3.08

CAL YR 1974 TOTAL 3549.1 MEAN 9.72 MAX 207 MIN 2.3 CFSM 1.85 IN 25.14
WTR YR 1975 TOTAL 4205.2 MEAN 11.5 MAX 149 MIN 2.9 CFSM 2.19 IN 29.79

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1345	3.68	666	6- 5	2215	3.09	416	7-14	1100	5.41	1,560
3-19	1815	4.92	1,300	6-19	1845	3.14	434	7-25	0045	4.88	1,270
5-22	2130	3.31	500	7- 7	1815	3.50	585	9-21	0045	4.55	1,100
5-30	1130	3.65	652	7-12	0545	3.20	455	9-26	1615	3.25	475
6- 1	0045	4.34	995	7-13	0745	3.50	585				

01467084 Rock Creek above Curtis Arboretum near Philadelphia, Pa.

LOCATION.--Lat 40°04'54", long 75°09'03", Montgomery County, on right bank 60 ft (18 m) upstream from stone arch bridge, 1,600 ft (488 m) upstream from Washington Lane, Cheltenham Township and about 1.2 mi (1.9 km) upstream from mouth.
DRAINAGE AREA.--1.15 mi^2 (2.98 km^2).
PERIOD OF RECORD.--May 1971 to current year.
GAGE.--Water-stage recorder and concrete control. Altitude of gage is 245 ft (75 m) from topographic map.
EXTREMES.--Current year: Maximum discharge, 517 ft^3/s (14.6 m^3/s) Sept. 21 (gage height, 5.26 ft or 1.603 m), from rating curve extended above 130 ft^3/s (3.7 m^3/s); minimum, 0.35 ft^3/s (0.010 m^3/s) Oct. 1; minimum gage height, 1.93 ft (0.588 m) Aug. 3, 4, 5, 25.
Period of record: Maximum discharge, 796 ft^3/s (22.5 m^3/s) Aug. 23, 1974 (gage height, 6.56 ft or 1.999 m), from rating curve extended above 130 ft^3/s (3.7 m^3/s); minimum, 0.27 ft^3/s (0.008 m^3/s) July 27, 1972 (gage height, 2.11 ft or 0.643 m).
REVISIONS.--The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in WRD Pa. 1971, 1973, 1974.

Water Year	Date	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
1971	Sept. 11, 1971	690	19.5	5.99	1.826
1973	Aug. 11, 1973	730	20.7	6.22	1.896
1974	Aug. 23, 1974	796	22.5	6.56	1.999

REMARKS.--Records fair.
REVISIONS.--The figures of peak discharge for water years 1971, 1973, 1974 have been revised as shown in the following table. They supersede figures published in WRD Pa. 1971, 1973, 1974.
REVISED PEAK DISCHARGE.--1971: Sept. 11 (0955) 690 cfs (5.99 ft).
1973: June 29 (0500) 650 cfs (5.94 ft); Aug. 11 (2125) 730 cfs (6.22 ft).
1974: Aug. 23 (0310) 796 cfs (6.56 ft); Sept. 28 (2040) 250 cfs (4.35 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.98	2.9	1.5	1.6	2.1	1.5	1.5	87	1.5	1.7	.90
2	.78	.98	7.5	.80	1.5	2.0	1.5	1.0	5.6	1.4	1.6	.80
3	.78	1.2	.78	.60	1.3	2.0	6.3	.86	6.3	1.5	1.6	1.0
4	.74	.94	.74	.70	1.2	2.0	1.2	7.1	5.3	1.4	3.5	1.1
5	.74	1.0	.74	.70	3.9	2.0	1.2	.94	37	1.4	2.0	.90
6	.74	1.1	.74	1.5	4.8	2.0	1.2	1.5	33	1.5	2.5	.86
7	.71	.90	.90	3.0	1.9	2.2	1.2	.86	3.3	11	1.5	.84
8	.74	.90	12	.70	1.7	2.2	1.3	.82	1.8	1.7	1.3	.80
9	.74	.94	.90	7.0	1.6	2.2	1.3	.78	1.8	3.9	1.3	.80
10	.74	.98	.78	.90	1.5	2.5	1.3	.78	1.8	2.2	1.3	.80
11	.71	.98	.78	1.5	1.5	2.2	1.3	.78	1.6	1.6	1.2	1.5
12	.74	5.9	.74	.90	1.5	6.3	1.4	2.8	20	11	1.1	7.0
13	.86	1.2	.74	8.0	1.5	2.1	1.1	6.3	7.1	32	1.1	.90
14	.78	.78	.82	1.4	1.8	10	.90	1.2	1.9	20	1.1	.80
15	1.1	.90	.74	1.2	2.0	2.3	1.3	1.2	1.8	7.1	1.5	.80
16	25	.78	29	1.1	3.5	1.6	.94	8.0	2.1	1.8	3.0	.80
17	1.0	.78	1.2	1.1	6.7	1.5	.90	1.2	2.0	1.8	1.1	.80
18	.90	.74	.98	15	2.8	1.4	.90	1.5	2.2	1.6	1.1	.90
19	.90	.74	.94	4.6	2.1	39	.94	1.2	15	1.5	.90	1.5
20	.86	1.4	.90	2.8	1.9	1.5	.90	1.2	1.9	6.0	1.3	.80
21	.86	.86	.90	1.4	1.8	1.1	1.1	2.4	1.7	8.0	.90	10
22	.82	.78	.90	1.8	1.9	2.1	1.1	9.0	1.6	3.0	.90	1.5
23	.82	.78	.86	1.5	9.5	1.0	1.1	1.3	1.5	2.2	.90	20
24	.82	.78	.86	1.5	14	3.2	5.0	1.4	2.1	2.2	1.1	13
25	.94	1.0	1.2	5.9	2.6	1.1	15	1.3	1.7	10	1.1	4.0
26	.82	.86	.82	1.7	2.2	.98	3.5	1.3	3.5	2.5	.90	10
27	.86	.94	.82	1.3	2.2	.94	1.8	1.2	1.6	2.2	.90	4.0
28	.82	.98	.80	1.3	2.1	.98	1.4	1.3	2.5	2.1	1.3	2.0
29	.82	.86	.80	1.8	---	.94	1.1	1.5	1.8	2.0	.90	1.8
30	.86	.90	.80	1.3	---	2.3	1.0	11	1.5	1.9	.90	1.5
31	.98	---	1.1	1.3	---	1.5	---	.82	---	1.8	.90	---
TOTAL	49.42	32.70	74.08	75.80	82.6	105.24	60.68	73.84	258.0	149.8	42.40	92.40
MEAN	1.59	1.09	2.41	2.45	2.95	3.39	2.02	2.38	8.60	4.83	1.37	3.08
MAX	25	5.9	29	15	14	39	15	11	87	32	3.5	20
MIN	.52	.74	.74	.60	1.2	.94	.90	.78	1.5	1.4	.90	.80
CFSM	1.38	.95	2.10	2.13	2.57	2.95	1.76	2.07	7.48	4.20	1.19	2.68
IN.	1.60	1.06	2.41	2.45	2.67	3.40	1.96	2.39	8.34	4.84	1.37	2.99

CAL YR 1974 TOTAL 895.68 MEAN 2.45 MAX 47 MIN .52 CFSM 2.13 IN 28.95
WTR YR 1975 TOTAL 1097.56 MEAN 3.01 MAX 87 MIN .52 CFSM 2.62 IN 35.47

PEAK DISCHARGE (BASE, 250 CFS) *About.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
6- 1	0320	4.64	320	7-14	1015	4.68	330
6-19	1830	5.16	450	9-21	0100*	5.26	517

01467085 Jenkintown Creek at Elkins Park, Pa.

LOCATION.--Lat 40°04'45", long 75°06'36", Montgomery County, on right bank 20 ft (6 m) downstream from Cedar Road bridge, 0.5 mi (0.8 km) east of Elkins Park, and 1 mi (1.6 km) west of Rockledge.

DRAINAGE AREA.--1.17 mi^2 (3.03 km^2).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 180 ft (55 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 312 ft^3/s (8.84 m^3/s) July 14 (gage height, 3.34 ft or 1.018 m); minimum, 0.32 ft^3/s (0.009 m^3/s) Sept. 13, 14, 15 (gage height, 1.19 ft or 0.363 m).
Period of record: Maximum discharge, 312 ft^3/s (8.84 m^3/s) July 14, 1975 (gage height, 3.34 ft or 1.018 m); minimum, 0.22 ft^3/s (0.006 m^3/s) Oct. 17, 18, 1973 (gage height, 1.17 ft or 0.357 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	.94	1.6	1.3	1.6	1.6	1.5	2.2	35	1.6	1.6	.94
2	.76	1.1	4.9	.60	1.3	1.3	1.5	2.0	3.3	1.8	1.6	.76
3	.76	1.2	.60	.45	1.3	1.3	6.0	1.8	3.3	1.8	1.6	.76
4	.60	.90	.60	.60	1.3	1.3	2.0	7.6	2.7	1.8	3.6	.76
5	.45	1.0	.60	.60	2.7	1.3	1.8	2.4	4.9	1.6	2.0	.76
6	.60	1.1	.76	1.3	3.1	1.3	1.7	2.4	8.0	1.8	2.4	.76
7	.60	.90	.76	2.7	2.0	1.3	1.7	2.2	3.1	8.4	1.6	.76
8	.60	.84	6.2	.60	1.6	1.3	1.7	2.0	2.4	2.0	1.3	.76
9	.60	.80	.76	6.5	1.3	1.1	1.7	2.0	2.4	3.9	1.3	.68
10	.60	.85	.60	.76	1.3	1.3	1.7	2.0	2.2	2.0	1.3	.68
11	.60	1.2	.60	1.3	1.3	1.3	1.7	2.0	2.2	1.5	1.3	.76
12	.76	3.1	.60	.76	1.6	2.9	1.6	3.6	10	10	1.1	2.2
13	.76	1.1	.45	4.1	1.1	1.6	1.5	5.2	4.4	30	1.1	.76
14	.76	.60	.45	1.1	1.1	4.6	1.7	1.8	2.7	15	1.1	.32
15	.94	.60	.45	.76	1.3	2.2	2.5	1.8	2.4	4.0	1.1	.32
16	12	.60	18	.76	1.6	1.6	1.6	4.6	3.9	1.8	3.1	.45
17	1.1	.60	1.6	.76	4.4	1.3	1.8	1.8	3.1	1.7	1.1	.45
18	.76	.60	.94	6.5	3.3	1.3	1.8	2.0	2.2	1.5	1.1	.45
19	.76	.60	.94	2.7	2.0	30	2.9	1.8	6.8	1.4	.94	1.3
20	.72	.76	.76	3.1	1.6	1.5	1.8	1.6	2.7	6.0	1.3	.60
21	.70	.76	.76	1.3	1.3	1.3	1.8	3.9	2.0	8.0	.94	5.2
22	.70	.60	.76	1.6	1.3	2.0	1.8	5.5	2.0	2.7	.94	.60
23	.70	.60	.60	1.3	4.6	1.3	1.8	2.7	1.8	2.2	.94	9.6
24	.70	.70	.60	1.3	6.8	3.0	6.2	1.6	2.0	2.2	1.1	19
25	.90	.60	.94	4.1	2.4	1.3	12	1.3	1.8	10	1.1	8.5
26	.76	.60	.76	1.8	1.8	1.1	3.9	1.3	2.4	2.4	.94	9.3
27	.76	.70	.60	1.3	1.6	1.1	2.0	1.3	1.8	2.2	.94	2.7
28	.94	.60	.60	1.3	1.6	1.1	1.8	1.3	2.7	2.2	.94	1.6
29	.94	.70	.60	1.8	---	1.1	1.8	1.1	2.0	2.0	.94	1.4
30	.94	.94	.60	1.1	---	2.0	1.8	14	1.8	2.0	.94	1.4
31	.94	---	.94	1.3	---	1.5	---	2.4	---	1.8	.94	---
TOTAL	34.31	26.39	49.93	55.45	58.4	78.2	74.2	89.2	128.0	137.3	42.60	74.37
MEAN	1.11	.88	1.61	1.79	2.09	2.52	2.47	2.88	4.27	4.43	1.37	2.48
MAX	12	3.1	18	6.5	6.8	30	12	14	35	30	3.6	19
MIN	.45	.60	.45	.45	1.1	1.1	1.5	1.1	1.8	1.4	.94	.32
CFSM	.95	.75	1.38	1.53	1.79	2.15	2.11	2.46	3.65	3.79	1.17	2.12
IN.	1.09	.84	1.59	1.76	1.86	2.48	2.36	2.83	4.07	4.36	1.35	2.36

CAL YR 1974 TOTAL 683.72 MEAN 1.87 MAX 18 MIN .43 CFSM 1.60 IN 21.72
WTR YR 1975 TOTAL 848.35 MEAN 2.32 MAX 35 MIN .32 CFSM 1.98 IN 26.95

PEAK DISCHARGE (BASE, 80 CFS)

* From peak-stage indicator.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1325	2.46	104	6-19	1920	2.42	97	7-25	0045	2.63	134
3-19	Unk.	2.94	200	7- 7	1735	2.47	105	9-21	0420	2.49	108
5-21	0925	2.31	81	7-13	Unk.	Unk.	Unk.	9-24	1905	2.36	88
5-30	1125	2.62	132	7-14	Unk.	3.34	312	9-26	2025	2.67	142
6- 1	0150	3.22	276	7-21	Unk.	3.01*	218				

01467086 (revised) Tacony Creek at County Line, Philadelphia, Pa.

LOCATION.--Lat 40°02'33", long 75°06'47", Philadelphia County, on left bank 20 ft (6 m) upstream from dam, 120 ft (37 m) upstream from Adams Avenue bridge in Philadelphia.

DRAINAGE AREA.--About 16.7 mi^2 (43.2 km^2).

PERIOD OF RECORD.--October 1965 to September 1970, July 1974 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 61.11 ft (18.626 m) above mean sea level. Prior to June 1972 recording gage at site 1,600 ft (490 m) upstream at same datum.

AVERAGE DISCHARGE.--6 years (1965-70, 1975), 24.9 ft^3/s (0.705 m^3/s), 20.25 in/yr (514 mm/yr).

EXTREMES.--Water year 1974: Maximum discharge, 2,400 ft^3/s (68.0 m^3/s) Aug. 23 (gage height, 7.86 ft or 2.396 m), from rating curve extended above 350 ft^3/s (9.91 m^3/s) as explained below; minimum, 4.7 ft^3/s (0.13 m^3/s) July 29, Aug. 21 (gage height, 2.17 ft or 0.661 m).

Water year 1975: Maximum discharge, 2,600 ft^3/s (73.6 m^3/s) July 14 (gage height, 8.15 ft or 2.484 m), from rating curve extended above 150 ft^3/s (4.25 m^3/s) on basis of step-backwater study by U.S. Corps of Engineers; minimum, 7.2 ft^3/s (0.20 m^3/s) Oct. 8, 9 (gage height, 2.20 ft or 0.671 m).

Period of record: Maximum discharge, 4,550 ft^3/s (129 m^3/s) Aug. 27, 1967 (gage height, 13.19 ft or 4.020 m), from rating curve extended above 350 ft^3/s (9.91 m^3/s) on basis of slope-area measurement at gage height 9.06 ft (2.761 m); minimum, 1.8 ft^3/s (0.051 m^3/s) Sept. 12, 1966 (gage height, 2.82 ft or 0.860 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	30	7.2	---
2									---	12	85	---
3									---	12	23	---
4									---	11	98	---
5									---	45	28	---
6									---	13	10	---
7									---	10	33	---
8									---	9.6	10	---
9									---	10	33	14
10									---	20	14	14
11									---	11	8.9	13
12									---	8.9	8.0	13
13									---	8.8	8.2	16
14									---	8.4	8.3	55
15									---	8.3	7.0	12
16									---	8.2	6.8	12
17									---	8.2	39	12
18									---	8.6	11	12
19									---	9.9	7.2	12
20									---	8.2	6.9	12
21									53	7.8	6.4	35
22									14	7.4	11	14
23									103	8.2	219	10
24									16	58	16	9.8
25									13	10	11	9.2
26									12	9.4	11	9.7
27									11	9.4	11	8.3
28									34	8.2	---	119
29									22	7.1	---	46
30									11	50	---	12
31									---	8.0	---	---
TOTAL									---	444.6	---	---
MEAN									---	14.3	---	---
MAX									---	58	---	---
MIN									---	7.1	---	---
CFSM									---	.88	---	---
IN.									---	1.02	---	---

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0030	5.99	1,320	8-23	0500	7.86	2,400
8- 4	1715	6.21	1,420	9-28	2115	6.28	1,470

01467086 (revised) Tacony Creek at County Line, Phila., Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	12	21	37	22	23	21	40	289	24	26	13
2	9.5	12	80	14	20	20	21	30	35	23	26	13
3	9.4	12	12	14	19	22	95	20	40	22	25	13
4	9.6	11	11	13	19	20	29	121	30	21	71	12
5	9.4	13	11	12	47	19	24	34	72	20	37	11
6	9.2	17	11	19	51	19	21	40	111	35	35	19
7	8.6	12	9.9	62	27	21	21	29	35	100	24	12
8	9.1	12	108	15	21	20	21	21	30	24	21	11
9	9.1	11	19	104	20	17	21	26	26	59	20	11
10	9.5	11	14	19	20	25	21	21	25	25	19	10
11	10	10	13	29	20	20	21	20	24	25	18	11
12	10	42	14	17	25	50	21	47	152	81	19	49
13	14	28	14	79	21	24	21	79	87	271	19	14
14	11	11	12	23	21	74	21	24	30	306	19	10
15	15	14	9.9	18	22	35	34	21	27	94	17	10
16	200	11	210	18	31	23	26	79	30	49	62	11
17	19	10	28	16	50	22	20	23	28	49	16	10
18	13	10	18	101	47	21	20	28	25	40	17	11
19	13	11	16	43	29	236	21	21	99	35	16	35
20	12	18	17	50	24	59	17	19	31	84	24	11
21	12	14	14	24	22	30	20	40	25	137	16	72
22	13	13	13	28	21	36	20	79	22	37	15	18
23	13	11	13	24	70	25	17	43	20	34	14	212
24	13	10	13	23	100	50	48	21	25	32	16	224
25	13	12	19	63	40	30	127	17	20	127	16	80
26	14	11	12	27	28	25	64	17	40	33	14	127
27	12	9.9	12	22	26	22	26	23	20	30	15	47
28	13	11	12	22	25	21	21	15	50	29	13	26
29	13	10	12	27	---	21	21	15	25	28	13	23
30	13	10	12	21	---	50	20	153	20	27	13	21
31	13	---	25	22	---	22	---	33	---	26	12	---
TOTAL	552.2	399.9	805.8	1006	888	1102	901	1199	1493	1927	690	1147
MEAN	17.8	13.3	26.0	32.5	31.7	35.5	30.0	38.7	49.8	62.2	22.3	38.2
MAX	200	42	210	104	100	236	127	153	289	306	71	224
MIN	8.6	9.9	9.9	12	19	17	17	15	20	20	12	10
CFSM	1.10	.82	1.60	2.01	1.96	2.19	1.85	2.39	3.07	3.84	1.38	2.36
IN.	1.27	.92	1.85	2.31	2.04	2.53	2.07	2.75	3.43	4.42	1.58	2.63

WTR YR 1975 TOTAL 12110.9 MEAN 33.2 MAX 306 MIN 8.6 CFSM 2.05 IN 27.81

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1400	5.62	1,130	7-13	0800	6.81	1,770
3-19	1845	6.89	1,820	7-14	1215	8.15	2,600
5-30	1145	5.78	1,200	7-20	2400	6.73	1,720
6- 1	0200	7.70	2,300	7-25	0115	6.99	1,880
6-19	2015	5.64	1,140	9-26	1630	6.50	1,600

01467089(revised) Frankford Creek at Torresdale Avenue, Philadelphia, Pa.

LOCATION.--Lat 40°00'25", long 75°05'33", Philadelphia County, on left bank at Worrel Avenue, 400 ft (122 m) upstream from Torresdale Avenue, 1.5 mi (2.4 km) west of Frankford Arsenal in Philadelphia.

DRAINAGE AREA.--33.8 mi^2 (87.5 km^2).

PERIOD OF RECORD.--October 1965 to September 1970, October 1974 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1.08 ft (0.329 m) above mean sea level.

AVERAGE DISCHARGE.--6 years (1965-70, 1975), 55.7 ft^3/s (1.58 m^3/s), 22.38 in/yr (568 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,550 ft^3/s (242 m^3/s) July 14 (gage height, 13.47 ft or 4.106 m), from rating curve extended above 1,300 ft^3/s (36.8 m^3/s); minimum daily, 9.2 ft^3/s (0.26 m^3/s) Nov. 18.
Period of record: Maximum discharge, 8,550 ft^3/s (242 m^3/s) July 14, 1975 (gage height, 13.47 ft or 4.106 m), from rating curve extended above 1,300 ft^3/s (36.8 m^3/s); minimum, 3.3 ft^3/s (0.093 m^3/s) Sept. 29, 1968 (gage height, 3.31 ft or 1.009 m); minimum daily, 4.8 ft^3/s (0.14 m^3/s) Aug. 26, 1966.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WRD Pa. 1967: 1966(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	10	25	40	22	80	38	60	732	40	37	13
2	16	10	100	12	18	33	27	49	50	37	36	15
3	14	10	20	11	16	20	304	24	50	35	35	18
4	14	10	12	11	18	16	43	389	45	33	220	17
5	14	11	10	11	50	16	32	65	240	30	100	16
6	14	25	10	10	60	19	26	74	329	27	50	50
7	14	12	10	70	23	25	26	47	65	260	35	20
8	14	11	150	15	14	32	26	29	55	45	33	12
9	14	11	50	150	15	15	29	33	65	150	31	11
10	14	10	18	20	16	40	30	28	81	60	30	11
11	13	10	12	30	22	27	32	31	54	30	29	23
12	13	50	15	15	25	120	30	133	525	451	28	150
13	14	30	13	100	14	27	25	240	280	1080	27	25
14	14	11	12	22	22	199	28	35	75	1060	26	18
15	15	11	11	16	14	47	47	43	79	250	50	12
16	500	10	550	14	25	23	44	210	196	100	150	15
17	50	10	120	13	60	19	31	31	130	52	30	15
18	20	9.2	23	120	35	25	28	37	40	50	23	14
19	11	9.4	12	40	33	700	23	32	250	50	20	80
20	11	20	12	60	28	120	17	31	70	200	60	35
21	11	15	11	15	24	85	23	110	40	450	18	180
22	11	10	11	35	25	95	15	170	55	95	18	55
23	11	9.4	11	25	210	42	17	85	40	82	18	962
24	11	9.4	11	21	260	210	270	47	190	145	23	1000
25	11	9.6	20	70	150	61	470	39	50	394	30	150
26	11	10	11	30	62	42	145	54	110	70	20	300
27	11	9.6	11	22	35	40	40	43	35	50	18	150
28	10	9.6	11	26	44	30	34	27	130	45	15	50
29	10	9.6	11	35	---	70	31	23	57	43	13	47
30	10	9.6	15	21	---	135	35	480	45	40	13	43
31	10	---	25	23	---	45	---	45	---	38	12	---
TOTAL	926	392.4	1333	1103	1340	2458	1966	2744	4163	5492	1248	3507
MEAN	29.9	13.1	43.0	35.6	47.9	79.3	65.5	88.5	139	177	40.3	117
MAX	500	50	550	150	260	700	470	480	732	1080	220	1000
MIN	10	9.2	10	10	14	15	15	23	35	27	12	11
CFSM	.88	.39	1.27	1.05	1.42	2.35	1.94	2.62	4.11	5.24	1.19	3.46
IN.	1.02	.43	1.47	1.21	1.47	2.71	2.16	3.02	4.58	6.04	1.37	3.86

CAL YR 1974	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN	-
WTR YR 1975	TOTAL	26672.4	MEAN	73.1	MAX	1080	MIN	9.2	CFSM	2.16	IN	29.35

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-19	1800	10.93	5,290	6-19	1930	9.82	4,050
4-25	2015	9.33	3,560	6-24	1930	9.84	4,070
5-30	1130	10.77	5,100	7-13	0730	11.31	5,740
6- 1	0145	12.87	7,720	7-14	1145	13.47	8,550
6-13	0545	9.17	3,400	9-24	1445	9.09	3,320

NOTE.--No gage-height record Oct. 1 to Feb. 18.

01468500 Schuylkill River at Landingville, Pa.

LOCATION.--Lat 40°37'45", long 76°07'30", Schuylkill County, on left bank 10 ft (3 m) upstream from highway bridge at Landingville, 0.1 mi (0.2 km) upstream from Mahannon Creek, and 5 mi (8.0 km) downstream from West Branch Schuylkill River.

DRAINAGE AREA.--133 mi^2 (344 km^2).

PERIOD OF RECORD.--August 1947 to April 1953, October 1963 to September 1965, August 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 470.64 ft (143.451 m) above mean sea level. Prior to Aug. 27, 1947 nonrecording gage 10 ft (3 m) downstream at same datum.

AVERAGE DISCHARGE.--9 years (1947-52, 1963-65, 1975), 282 ft^3/s (7.99 m^3/s), 28.79 in/yr (731 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,050 ft^3/s (143 m^3/s) Sept. 26 (gage height, 12.55 ft or 3.825 m), from rating curve extended above 900 ft^3/s (25 m^3/s) on basis of peak flow over dam; minimum, 98 ft^3/s (2.78 m^3/s) Sept. 15 (gage height, 3.50 ft or 1.067 m).

Period of record: Maximum discharge 8,570 ft^3/s (243 m^3/s) Nov. 25, 1950 (gage height, 13.29 ft or 4.051 m); minimum, 19 ft^3/s (0.54 m^3/s) Oct. 30, 31, Nov. 4, 1963.

Flood in June 1972 reached a stage of 17.36 ft or 5.291 m (discharge, 14,000 ft^3/s or 396 m^3/s).

REVISIONS.--The maximum discharge for the water year 1974 has been revised to 4,050 ft^3/s (115 m^3/s) Dec. 21, 1973 (gage height, 11.44 ft or 3.487 m), superseding figure published in WRD Penna. 1974.

REMARKS.--Records good except those for winter periods, which are fair.

REVISIONS.--The figures of peak discharge for water years 1973-74 have been revised as shown in the following table. They supersede figures published in WRD Penna. 1974.

REVISED PEAK DISCHARGE.--1973: Aug. 1 (1700) 2,460 cfs (9.36 ft); Sept. 14 (2115) 2,320 cfs (9.16 ft).
1974: Dec. 21 (1200) 4,050 cfs (11.44 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	123	137	258	545	628	377	238	247	439	253	130
2	164	119	207	240	469	522	358	236	234	369	238	132
3	155	134	173	223	380	466	748	228	221	353	228	143
4	152	122	155	228	350	360	670	568	209	327	236	132
5	147	123	150	211	330	320	578	695	348	276	207	127
6	139	122	140	203	320	290	506	632	608	249	217	133
7	139	117	130	219	290	300	457	548	391	242	205	112
8	135	110	1500	207	260	332	413	451	332	247	195	114
9	132	97	1600	726	230	250	382	405	310	240	184	111
10	129	99	950	674	210	230	348	385	295	240	171	112
11	137	103	600	756	200	240	335	335	276	217	169	112
12	129	147	500	681	190	314	307	463	433	209	165	153
13	125	191	450	756	190	297	283	568	369	325	186	138
14	128	159	400	621	180	281	276	478	305	611	188	105
15	125	166	360	532	170	250	262	445	274	463	160	106
16	191	162	660	475	160	230	253	516	272	454	207	115
17	167	159	900	425	180	278	247	425	269	545	162	109
18	143	159	620	405	358	297	238	382	249	466	155	108
19	139	160	520	382	385	1110	240	377	262	448	148	191
20	134	175	480	368	366	1980	230	363	247	402	145	143
21	132	195	445	317	342	1250	213	345	221	396	141	138
22	135	191	399	270	345	912	203	335	197	337	155	120
23	135	157	363	250	469	722	191	340	197	307	141	213
24	132	155	348	240	1150	663	219	312	195	366	153	800
25	131	162	327	416	1670	601	274	358	189	1070	160	2020
26	131	159	305	445	1210	513	300	302	236	594	138	3080
27	128	152	288	363	874	463	230	288	269	466	143	2540
28	125	145	272	350	719	436	225	272	565	385	127	1240
29	125	143	249	667	---	416	230	258	529	337	138	856
30	125	142	242	663	---	494	211	256	588	300	230	723
31	125	---	240	608	---	410	---	269	---	274	140	---
TOTAL	4322	4348	14110	13179	12542	15855	9804	12073	9337	11954	5485	14248
MEAN	139	145	455	425	448	511	327	389	311	386	177	475
MAX	191	195	1600	756	1670	1980	748	695	608	1070	253	3080
MIN	125	97	130	203	160	230	191	228	189	209	127	105
CFSM	1.05	1.09	3.42	3.20	3.37	3.84	2.46	2.92	2.34	2.90	1.33	3.57
IN.	1.21	1.22	3.95	3.69	3.51	4.43	2.74	3.38	2.61	3.34	1.53	3.99

CAL YR 1974 TOTAL 110698 MEAN 303 MAX 1600 MIN 97 CFSM 2.28 IN 30.96
WTR YR 1975 TOTAL 127257 MEAN 349 MAX 3080 MIN 97 CFSM 2.62 IN 35.59

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	Unk.	9.36	2,460	7-25	0300	8.02	1,640
2-24	2400	8.38	1,840	9-26	1930	12.55	5,050
3-19	1930	9.77	2,750				

01469500 Little Schuylkill River at Tamaqua, Pa.

LOCATION.--Lat 40°48'25", long 75°58'20", Schuylkill County, on left bank at pumping plant of Panther Valley Water Co., 0.6 mi (1.0 km) upstream from Tamaqua, and 0.8 mi (1.3 km) upstream from Panther Creek.

DRAINAGE AREA.--42.9 mi^2 (111.1 km^2).

PERIOD OF RECORD.--October 1919 to current year. Monthly discharge only for some periods, published in WSP 1302. June 1916 to September 1919 (gage heights and discharge measurements only) in reports of Water Supply Commission of Pennsylvania.

GAGE.--Water-stage recorder and broad-crested weir. Datum of gage is 817.48 ft (249.168 m) above mean sea level. Prior to June 21, 1929, nonrecording gage at site 3,600 ft (1,100 m) downstream at datum 28.64 ft (8.729 m) lower.

AVERAGE DISCHARGE.--56 years, 92.4 ft^3/s (2.62 m^3/s), 29.25 in/yr (743 mm/yr), adjusted for diversion and, since February 1933, for storage.

EXTREMES.--Current year: Maximum discharge, 1,650 ft^3/s (46.7 m^3/s) July 25 (gage height, 5.49 ft or 1.673 m); minimum daily, 19 ft^3/s (0.54 m^3/s) Sept. 18.

Period of record: Maximum discharge, 7,790 ft^3/s (221 m^3/s) Aug. 18, 1955 (gage height, 11.10 ft or 3.383 m), from rating curve extended above 3,200 ft^3/s (91 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 1.8 ft^3/s (0.051 m^3/s) Dec. 18, 1931 (gage height, 1.21 ft or 0.369 m); minimum daily, 2.9 ft^3/s (0.082 m^3/s) Sept. 2, 1966.

REMARKS.--Records poor. Flow regulated by Still Creek Reservoir 6.5 mi (10.5 km) upstream (see p.130). Figures of daily discharge do not include water diverted from reservoir.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 971: 1942. WSP 1302: 1922, 1926-30. WSP 1432: 1920-21, 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	26	45	84	159	215	125	60	72	120	96	32
2	62	25	57	78	146	183	117	62	60	100	85	30
3	57	36	54	72	133	157	230	63	52	92	76	29
4	54	31	48	70	117	133	256	138	49	86	79	26
5	53	28	44	68	115	118	226	208	90	72	79	25
6	51	26	43	64	110	108	200	199	210	64	77	27
7	49	25	42	70	100	102	176	193	140	56	77	26
8	47	24	474	66	86	101	155	168	120	52	60	23
9	44	23	501	185	81	89	136	148	98	72	52	23
10	43	22	341	227	74	82	123	138	90	94	47	21
11	40	22	256	263	69	78	112	123	82	62	45	21
12	38	32	211	273	71	82	103	115	110	52	42	27
13	37	59	176	280	67	86	94	133	130	49	41	28
14	35	47	159	230	63	84	87	123	100	154	41	23
15	34	47	141	190	59	81	82	115	94	193	37	21
16	62	43	159	165	57	72	80	106	86	188	40	21
17	48	42	227	143	60	74	74	102	76	165	37	20
18	40	42	227	133	86	83	69	94	70	146	35	19
19	32	42	205	128	106	242	76	88	66	130	33	31
20	30	49	176	117	106	737	71	83	70	143	31	37
21	31	59	156	98	90	495	65	77	60	199	29	31
22	31	54	141	92	86	345	60	74	52	138	32	25
23	31	51	126	85	126	277	54	71	48	115	31	20
24	30	51	112	79	365	237	51	67	45	102	30	162
25	30	52	106	98	650	214	87	63	42	1110	29	573
26	29	52	100	133	452	179	99	63	50	634	28	751
27	29	49	96	106	319	155	84	62	58	304	29	725
28	28	49	98	94	252	144	75	60	250	221	26	424
29	27	48	84	138	---	138	68	57	340	168	28	289
30	26	45	80	185	---	163	64	54	160	133	56	221
31	26	---	78	170	---	146	---	62	---	110	40	---
TOTAL	1240	1201	4755	4184	4205	5400	3299	3169	2970	5324	1468	3739
MEAN	40.0	40.0	153	135	150	174	110	102	99.0	172	47.4	125
MAX	66	59	501	280	650	737	256	208	340	1110	96	751
MIN	26	22	42	64	57	72	51	54	42	49	26	19
(/)	2.2	.8	4.5	4.7	5.0	3.7	4.7	2.7	2.0	3.5	1.5	.3
MEAN#	39.6	39.1	162	140	155	178	114	104	101	176	47.6	127
CFSM#	.92	.91	3.78	3.26	3.61	4.15	2.66	2.42	2.35	4.10	1.11	2.96
IN.#	1.06	1.02	4.36	3.76	3.76	4.78	2.97	2.79	2.62	4.73	1.28	3.30

CAL YR 1974 TOTAL 31853 MEAN 87.3 MAX 501 MIN 10 MEAN# 92.3 CFSM# 2.15 IN.# 29.21
WTR YR 1975 TOTAL 40954 MEAN 112 MAX 1110 MIN 19 MEAN# 115 CFSM# 2.68 IN.# 36.43

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	2130	4.26	768	7-25	0400	5.49	1,650
2-25	0500	4.14	705	9-25	1330	4.21	733
3-20	0830	4.31	804	9-26	2000	4.60	987

NOTE.--Doubtful gage-height record May 31 to July 8.

/ Diversion from Still Creek Reservoir, equivalent in cubic feet per second, furnished by Panther Valley Water Company.

Adjusted for diversion and change in contents in Still Creek Reservoir.

01470500 Schuylkill River at Berne, Pa.

LOCATION.--Lat 40°31'21", long 75°59'55", Berks County, on right bank 50 ft (15 m) upstream from highway bridge at Berne, 0.5 mi (8 km) upstream from Mill Creek, and 6.5 mi (10.5 km) downstream from Little Schuylkill River.

DRAINAGE AREA.--355 mi^2 (919 km^2).

PERIOD OF RECORD.--August 1947 to current year. Monthly discharge only for August 1947, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 310.65 ft (94.686 m) above mean sea level.

AVERAGE DISCHARGE.--28 years, 697 ft^3/s (19.7 m^3/s), 26.66 in/yr (677 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,920 ft^3/s (281 m^3/s) Sept. 26 (gage height, 10.24 ft or 3.121 m); minimum, 195 ft^3/s (5.52 m^3/s) Nov. 11 (gage height, 4.90 ft or 1.494 m).
Period of record: Maximum discharge, 42,800 ft^3/s (1,210 m^3/s) June 22, 1972 (gage height, 19.0 ft or 5.79 m, from floodmark in gage shelter), from rating curve extended above 17,000 ft^3/s (481 m^3/s); minimum, 31 ft^3/s (0.88 m^3/s) Sept. 2, 1949.
Flood in May 1942, reached a stage of 15.0 ft (4.57 m), from floodmarks (discharge, 26,900 ft^3/s or 762 m^3/s).

REMARKS.--Records good. Some regulation at low flow by mine pumpage and by Still Creek Reservoir about 25 mi (40 km) upstream from station (see p.130). Records of water quality for current year are published on p. 248.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	465	213	371	574	1480	1590	956	582	642	988	677	375
2	402	213	523	565	1240	1350	885	608	517	826	625	375
3	357	277	506	501	1110	1150	1990	565	448	768	608	320
4	336	271	432	501	967	998	2350	1490	410	759	625	295
5	323	224	409	509	935	885	1870	2170	605	616	722	282
6	329	224	386	478	905	826	1540	1800	1820	574	549	314
7	323	207	357	470	835	769	1320	1590	1230	501	565	308
8	277	196	4670	463	731	788	1140	1270	998	582	582	282
9	271	196	4520	1930	695	677	1030	1100	845	549	448	257
10	271	190	2550	2130	625	633	925	1010	768	541	440	239
11	264	185	1810	2050	591	608	865	915	695	485	425	239
12	264	218	1450	1950	582	642	797	905	1020	448	396	288
13	277	532	1210	2100	565	686	722	1400	1070	637	389	327
14	277	350	1080	1800	501	616	677	1190	865	1820	463	275
15	252	379	977	1490	485	625	650	1060	816	1540	368	257
16	394	336	1810	1280	501	642	625	1160	740	1260	608	239
17	409	323	2550	1110	525	650	599	1020	677	1340	517	239
18	303	316	1980	1020	826	722	557	935	616	1080	432	233
19	264	316	1590	998	998	1730	565	875	590	1060	382	347
20	283	329	1340	956	998	6580	533	807	624	1170	347	302
21	277	425	1160	750	895	4000	470	750	525	1360	320	368
22	247	394	1070	722	855	2700	448	713	493	977	334	288
23	241	343	935	668	1170	2190	418	722	455	816	327	501
24	230	364	855	642	3040	1810	463	650	418	740	327	2840
25	230	379	807	797	5080	1660	677	713	389	3780	340	7180
26	235	357	731	1410	3420	1370	807	713	481	2480	308	6950
27	247	350	677	1100	2400	1200	633	625	490	1670	327	6750
28	247	350	642	956	1870	1130	591	557	2190	1280	288	3510
29	218	336	625	1630	---	1070	582	501	2920	1020	288	2290
30	207	343	591	2010	---	1250	549	485	1670	865	549	1700
31	207	---	533	1740	---	1070	---	541	---	759	433	---
TOTAL	8927	9136	39147	35300	34865	42617	26234	29422	26027	33291	14009	38250
MEAN	288	305	1263	1139	1245	1375	874	949	868	1074	452	1275
MAX	465	532	4670	2130	5080	6580	2350	2170	2920	3780	722	7180
MIN	207	185	357	463	485	608	418	485	389	448	288	233
CFSM	.81	.86	3.56	3.21	3.51	3.87	2.46	2.67	2.45	3.03	1.27	3.59
IN.	.94	.96	4.10	3.70	3.65	4.47	2.75	3.08	2.73	3.49	1.47	4.01

CAL YR 1974 TOTAL 270236 MEAN 740 MAX 4670 MIN 180 CFSM 2.08 IN 28.32
WTR YR 1975 TOTAL 337225 MEAN 924 MAX 7180 MIN 185 CFSM 2.60 IN 35.34

PEAK DISCHARGE (BASE, 4,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1800	9.75	9,320	6-28	2000	8.0	4,500
2-25	0230	8.57	5,640	7-25	0815	8.31	5,120
3-20	0230	9.31	7,480	9-26	2315	10.24	9,920

01470720 Maiden Creek tributary at Lenhartsville, Pa.

LOCATION.--Lat 40°34'23", long 75°52'34", Berks County, on left bank 60 ft (18 m) downstream from culvert on Interstate Highway 78, 0.5 mi (0.8 km) upstream from mouth and 0.5 mi (0.8 km) east of Lenhartsville.

DRAINAGE AREA.--7.46 mi^2 (19.3 km^2).

PERIOD OF RECORD.--Annual maximum and occasional discharge measurements, water years 1962-65. October 1965 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 368.78 ft (112.404 m) above mean sea level. July 12, 1961 to Sept. 15, 1965 crest-stage gage at site 60 ft (18 m) upstream at same datum.

AVERAGE DISCHARGE.--10 years, 12.0 ft^3/s (0.340 m^3/s), 21.84 in/yr (555 mm/yr).

EXTREMES.--Current year: Maximum discharge, 240 ft^3/s (6.80 m^3/s) Sept. 24 (gage height, 3.76 ft or 1.146 m); minimum, 2.0 ft^3/s (0.057 m^3/s) Nov. 30 (gage height, 2.31 ft or 0.704 m).
Period of record: Maximum discharge, 1,530 ft^3/s (43.3 m^3/s) June 22, 1972 (gage height, 6.46 ft or 1.969 m) from peak-stage indicator, from rating curve extended above 280 ft^3/s (7.93 m^3/s) on basis of computation of peak flow through culvert; maximum gage height, 6.7 ft (2.04 m) Feb. 8, 1965, from floodmark; no flow on many days.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WRD Penna. 1972: 1967(M), 1969-71(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	2.5	3.3	7.7	42	26	10	9.1	9.8	18	5.1	4.5
2	6.2	2.5	12	6.4	31	20	9.1	8.1	6.6	14	4.7	4.6
3	5.5	4.2	8.4	5.6	24	16	61	6.9	5.9	14	4.3	4.7
4	5.0	3.3	8.1	5.4	19	13	68	34	5.1	11	16	3.8
5	4.6	3.3	7.6	5.1	17	11	46	45	23	8.6	11	3.4
6	4.1	3.1	6.9	4.9	17	9.9	33	42	58	7.4	14	4.2
7	3.9	2.9	6.6	5.5	14	9.8	24	33	39	6.7	10	3.4
8	3.6	2.7	50	6.8	11	8.6	19	25	30	6.8	7.8	3.1
9	3.4	2.5	54	44	9.9	7.6	15	20	22	5.6	6.6	2.8
10	3.2	2.5	38	47	8.0	6.6	12	18	17	5.0	5.9	2.6
11	3.1	2.3	27	41	7.7	6.9	10	15	13	4.5	5.5	2.8
12	3.0	5.7	21	30	7.2	8.9	8.6	15	36	5.3	4.9	9.7
13	2.9	7.5	16	32	6.8	7.5	7.7	14	30	16	7.9	5.6
14	2.9	5.0	14	28	6.2	6.9	6.9	11	27	71	6.6	4.5
15	2.9	6.1	11	26	5.9	8.9	6.5	9.1	23	62	4.6	4.3
16	12	4.9	28	22	5.8	9.5	6.1	12	21	46	15	4.2
17	5.8	4.6	35	18	9.9	9.7	5.4	8.3	16	33	8.0	3.9
18	4.8	4.5	33	16	20	9.7	5.4	7.7	12	25	6.8	3.8
19	4.5	4.3	26	15	29	30	5.7	7.2	10	20	5.7	11
20	4.2	5.0	20	13	32	113	4.8	6.5	8.6	40	5.0	6.7
21	3.7	5.3	16	11	29	80	4.2	6.4	7.0	51	4.5	9.0
22	3.5	4.6	13	9.3	24	52	4.0	17	6.3	41	4.7	7.4
23	3.5	4.0	11	8.6	30	35	4.0	16	5.7	30	4.0	33
24	3.3	3.9	9.7	8.5	79	31	8.6	14	5.1	23	4.8	142
25	3.3	4.0	9.1	22	117	24	12	12	4.8	18	5.0	152
26	3.1	3.6	7.4	33	72	20	11	11	6.6	13	4.2	99
27	2.9	3.5	6.8	35	47	18	9.6	9.3	7.7	10	4.4	75
28	2.7	3.5	6.2	29	33	16	9.6	7.8	37	8.8	3.3	54
29	2.7	3.3	5.7	53	---	15	9.1	6.8	29	7.4	4.4	37
30	2.7	3.1	5.3	69	---	17	8.1	9.3	24	6.3	9.1	27
31	2.7	---	5.2	57	---	12	---	8.3	---	5.6	4.7	---
TOTAL	126.4	118.2	521.3	714.8	754.4	659.5	444.4	464.8	538.2	633.2	208.5	729.0
MEAN	4.08	3.94	16.8	23.1	26.9	21.3	14.8	15.0	17.9	20.4	6.73	24.3
MAX	12	7.5	54	69	117	113	68	45	58	71	16	152
MIN	2.7	2.3	3.3	4.9	5.8	6.6	4.0	6.4	4.8	4.5	3.3	2.6
CFSM	.55	.53	2.25	3.10	3.61	2.86	1.98	2.01	2.40	2.73	.90	3.26
IN.	.63	.59	2.60	3.56	3.76	3.29	2.22	2.32	2.68	3.16	1.04	3.63

CAL YR 1974 TOTAL 3881.3 MEAN 10.6 MAX 73 MIN 1.3 CFSM 1.42 IN 19.35
WTR YR 1975 TOTAL 5912.7 MEAN 16.2 MAX 152 MIN 2.3 CFSM 2.17 IN 29.48

PEAK DISCHARGE (BASE, 130 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0500	3.39	130	7-14	1000	3.49	155
3-20	0515	3.42	137	9-24	1330	3.76	240
6- 5	2330	3.43	140				

01470729 Sacony Creek above Bowers, Pa.

LOCATION.--Lat 40°28'58", long 75°44'25", Berks County, at upstream side of bridge on Lyons-Bowers Road, at Bowers, 0.15 mi (0.24 km) upstream from left bank tributary and 1.1 mi (1.8 km) downstream from Little Sacony Creek.

DRAINAGE AREA.--5.70 mi^2 (14.76 km^2).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 440 ft (134 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 466 ft^3/s (13.2 m^3/s) July 16 (gage height, 6.11 ft or 1.862 m); minimum, 3.3 ft^3/s (0.093 m^3/s) Sept. 9, 10 (gage height, 4.10 ft or 1.250 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	4.1	3.8	11	14	16	16	17	18	7.5	6.5	5.6
2	7.6	3.9	19	9.7	13	15	14	16	10	6.4	6.2	5.6
3	7.2	6.7	7.9	8.1	13	14	79	13	9.1	7.8	5.9	6.2
4	6.8	5.1	5.6	7.7	13	14	26	37	8.1	8.0	20	4.7
5	6.4	5.3	6.6	7.3	12	13	21	22	28	6.0	21	4.5
6	6.0	5.0	4.9	7.4	13	13	19	17	34	8.2	33	6.2
7	5.6	4.2	5.3	8.0	13	13	18	17	12	8.8	19	4.7
8	5.3	4.0	74	7.9	14	13	17	13	9.3	6.2	10	4.1
9	5.0	3.9	15	50	11	12	16	12	8.8	20	8.0	3.9
10	4.7	3.9	10	15	14	11	15	11	8.0	10	7.2	3.5
11	4.5	3.8	8.4	17	11	12	15	11	7.6	6.9	6.8	3.9
12	4.5	7.6	7.8	12	26	20	14	13	38	7.6	5.9	29
13	4.5	13	7.2	19	37	16	14	27	20	38	23	10
14	4.5	5.8	7.6	14	21	13	13	18	11	93	17	5.6
15	4.5	6.9	6.7	14	14	14	14	12	9.2	23	7.6	4.7
16	25	5.3	47	12	10	15	16	23	9.0	62	13	4.7
17	15	4.7	20	10	15	17	13	13	9.1	29	9.6	4.7
18	10	4.4	12	19	25	13	12	12	8.0	19	8.0	4.5
19	6.0	4.3	10	21	30	80	13	12	7.4	16	6.5	9.6
20	5.0	4.7	9.4	20	18	110	12	10	7.0	16	5.9	6.5
21	4.5	5.4	9.2	34	16	32	11	11	6.3	19	5.6	12
22	4.2	4.7	8.9	17	15	27	10	35	6.0	12	5.6	5.9
23	4.1	4.2	8.2	10	27	24	10	31	5.8	11	5.3	56
24	4.1	4.2	8.5	10	60	31	20	13	5.8	9.6	5.3	114
25	4.2	4.3	8.7	31	37	26	33	11	5.9	10	5.3	35
26	4.4	4.2	7.7	24	21	19	29	10	10	9.2	5.3	23
27	4.1	4.1	7.5	14	18	18	15	9.2	9.8	8.3	5.9	16
28	4.0	4.0	7.6	12	17	17	13	6.2	26	8.0	4.5	12
29	4.1	3.9	7.3	31	---	17	13	7.9	18	7.2	4.5	10
30	4.1	3.7	7.3	18	---	24	12	13	12	6.8	5.9	9.3
31	4.1	---	7.2	16	---	17	---	11	---	6.5	5.3	---
TOTAL	192.0	149.3	376.3	507.1	548	696	543	484.3	377.2	507.0	298.6	425.4
MEAN	6.19	4.98	12.1	16.4	19.6	22.5	18.1	15.6	12.6	16.4	9.63	14.2
MAX	25	13	74	50	60	110	79	37	38	93	33	114
MIN	4.0	3.7	3.8	7.3	10	11	10	6.2	5.8	6.0	4.5	3.5
CFSM	1.09	.87	2.12	2.88	3.44	3.95	3.18	2.74	2.21	2.88	1.69	2.49
IN.	1.25	.97	2.46	3.31	3.58	4.54	3.54	3.16	2.46	3.31	1.95	2.78

CAL YR 1974	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN	-
WTR YR 1975	TOTAL	5104.2	MEAN	14.0	MAX	114	MIN	3.5	CFSM	2.46	IN	33.31

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-19	1900	5.84	329	7-14	1130	5.71	275
3-20	0500	5.73	283	7-16	1715	6.11	466
4- 3	1130	5.85	333	9-24	1315	5.95	380
5-22	2145	5.55	218				

01470736 Sacony Creek at Normal Avenue at Kutztown, Pa.

LOCATION.--Lat 40°30'57", long 75°46'17", Berks County, on right bank, 150 ft (46 m) upstream from Normal Avenue bridge at Kutztown, and 1,000 ft (305 m) downstream from left bank tributary.

DRAINAGE AREA.--20.4 mi^2 (52.8 km^2).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 420 ft (128 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 372 ft^3/s (10.5 m^3/s) Sept. 24 (gage height, 4.95 ft or 1.509 m); minimum, 1.9 ft^3/s (0.054 m^3/s) Dec. 1 (gage height, 1.46 ft or 0.445 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	6.1	3.7	19	38	48	41	38	32	26	28	15
2	11	6.1	19	18	36	46	39	38	27	24	28	15
3	10	9.4	10	15	33	43	127	32	26	24	28	15
4	9.9	7.9	5.6	15	30	39	67	65	26	26	30	13
5	9.4	7.9	5.2	14	33	38	51	48	41	23	56	13
6	9.0	7.9	4.7	13	35	39	48	35	64	23	41	14
7	8.6	6.5	4.7	15	34	39	45	37	25	28	58	13
8	8.2	6.5	82	14	29	40	43	29	21	22	30	12
9	7.9	5.8	38	54	29	33	41	28	20	34	26	12
10	7.5	5.8	18	33	25	33	39	27	19	32	25	11
11	7.1	5.8	15	28	26	35	38	26	19	21	24	11
12	7.1	6.8	14	24	24	40	38	29	46	22	23	32
13	7.1	16	14	30	26	45	37	44	38	55	23	31
14	6.8	7.9	14	26	23	35	36	47	24	165	47	18
15	6.8	7.9	13	21	24	35	36	29	23	60	23	16
16	29	6.8	42	21	25	36	40	45	23	75	30	16
17	21	6.5	50	19	29	37	36	30	23	118	25	16
18	11	5.8	25	22	48	36	35	26	23	49	23	15
19	9.0	5.2	21	33	57	80	36	25	23	43	21	21
20	8.7	5.0	20	36	48	235	35	24	23	41	20	20
21	7.9	5.8	19	23	38	78	33	24	23	49	19	23
22	7.5	5.2	19	26	36	65	32	70	24	37	19	18
23	7.5	4.7	17	24	51	63	33	60	24	34	18	67
24	7.1	4.7	18	24	79	64	39	35	24	33	18	191
25	7.1	4.7	18	40	101	67	62	30	25	32	18	112
26	7.5	4.4	16	63	61	55	64	25	33	31	17	60
27	7.1	4.0	16	38	52	51	37	20	31	30	16	45
28	6.8	4.4	16	33	49	49	34	18	66	29	16	35
29	6.8	4.4	15	54	---	49	33	21	42	28	16	32
30	6.5	4.0	15	50	---	58	31	35	35	28	18	30
31	6.5	---	15	40	---	46	---	27	---	28	15	---
TOTAL	285.4	189.9	502.9	885	1119	1657	1306	1067	893	1270	801	942
MEAN	9.21	6.33	19.4	28.5	40.0	53.5	43.5	34.4	29.8	41.0	25.8	31.4
MAX	29	16	82	63	101	235	127	70	66	165	58	191
MIN	6.5	4.0	3.7	13	23	33	31	18	19	21	15	11
CFSM	.45	.31	.95	1.40	1.96	2.62	2.13	1.69	1.46	2.01	1.26	1.54
IN.	.52	.35	1.10	1.61	2.04	3.02	2.38	1.95	1.63	2.32	1.46	1.72

CAL YR 1974	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN	-
WTR YR 1975	TOTAL	11018.2	MEAN	30.2	MAX	235	MIN	3.7	CFSM	1.48	IN	20.00

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-20	0915	4.64	345	7-16	2400	4.36	274
4- 3	1615	4.35	304	9-24	1900	4.95	372
7-14	1745	4.44	286				

01470756 Maiden Creek at Virginville, Pa.

LOCATION.--Lat 40°30'51", long 75°53'00", Berks County, on right bank 0.9 mi (1.4 km) downstream from Sacony Creek, 0.9 mi (1.4 km) southwest of Virginville, and 1.0 mi (1.6 km) upstream from Moselem Creek.

DRAINAGE AREA.--159 mi^2 (412 km^2).

PERIOD OF RECORD.--January 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 310 ft (125 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 4,520 ft^3/s (128 m^3/s) Sept. 24 (gage height, 8.92 ft or 2.719 m); minimum, 46 ft^3/s (1.30 m^3/s) Nov. 27 (gage height, 2.07 ft or 0.631 m).

Period of record: Maximum discharge, 4,520 ft^3/s (128 m^3/s) Sept. 24, 1975 (gage height, 8.92 ft or 2.719 m); minimum, 29 ft^3/s (0.82 m^3/s) Sept. 14, 1973: minimum gage height, 1.98 ft (0.604 m) July 19, 1974.

Flood of June 1972, reached a stage of 17.2 feet (5.24 m), from floodmarks (discharge, about 17,000 ft^3/s or 481 m^3/s).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	54	64	206	685	500	286	213	216	412	147	89
2	110	52	175	216	541	416	263	223	185	333	135	89
3	100	78	159	179	438	354	1420	199	176	321	124	94
4	96	75	121	179	400	306	1360	650	179	317	138	77
5	94	70	109	176	370	279	818	851	302	252	343	72
6	90	70	104	163	350	263	600	630	1290	223	198	84
7	84	61	98	189	330	252	478	541	900	216	236	77
8	80	54	1270	192	290	252	399	408	700	199	150	65
9	76	52	1230	988	260	209	345	350	540	189	127	63
10	73	50	705	928	230	202	306	313	430	206	115	57
11	71	50	500	775	240	206	279	282	370	176	110	54
12	69	61	399	605	240	234	256	286	820	179	105	141
13	68	218	329	670	238	245	238	366	720	366	102	153
14	67	109	298	586	213	213	223	306	650	1580	147	91
15	68	123	256	520	196	223	216	248	550	1260	99	79
16	135	104	660	450	182	245	216	290	460	804	172	74
17	144	91	895	380	204	252	199	238	370	747	133	74
18	85	88	675	330	444	248	189	213	310	470	110	69
19	73	85	514	320	576	590	199	209	270	373	94	150
20	70	88	416	350	572	2680	185	192	250	420	84	130
21	66	107	358	320	482	1460	169	185	223	588	79	144
22	64	96	310	270	425	911	160	317	206	387	84	115
23	64	78	267	240	576	690	156	760	192	303	84	435
24	61	75	252	234	1480	600	189	374	185	253	86	2550
25	59	78	245	408	2500	545	321	290	176	1360	102	3470
26	61	75	223	755	1290	438	333	263	209	505	86	2110
27	57	66	199	605	823	387	234	230	206	326	65	1490
28	54	68	192	505	605	358	216	199	851	261	67	912
29	54	66	179	933	---	341	209	179	765	215	65	604
30	54	61	176	1200	---	412	199	199	605	185	147	480
31	54	---	166	928	---	329	---	202	---	163	99	---
TOTAL	2424	2403	11544	14800	15140	14640	10661	10206	13306	13589	3833	14092
MEAN	78.2	80.1	372	477	542	472	355	329	444	438	124	470
MAX	144	218	1270	1200	2500	2680	1420	851	1290	1580	343	3470
MIN	54	50	64	163	182	202	156	179	176	163	65	54
CFSM	.49	.50	2.34	3.00	3.41	2.97	2.23	2.07	2.79	2.75	.78	2.96
IN.	.57	.56	2.70	3.46	3.55	3.43	2.49	2.39	3.11	3.18	.90	3.30

CAL YR 1974 TOTAL 89364 MEAN 245 MAX 1720 MIN 33 CFSM 1.54 IN 20.91
WTR YR 1975 TOTAL 126678 MEAN 347 MAX 3470 MIN 50 CFSM 2.18 IN 29.64

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1930	5.97	2,180	7-14	1415	6.00	2,200
2-25	0300	7.01	2,990	7-25	0915	6.07	2,250
3-20	1130	7.26	3,190	9-24	2045	8.92	4,520
4- 3	1615	6.45	2,540				

01470779 Tulpehocken Creek near Bernville, Pa.

LOCATION.--Lat 40°24'48", long 76°10'19", Berks County, on left bank 30 ft (9.1 m) downstream from Kricks Mill Bridge, 0.4 mi (0.6 km) upstream from Mill Creek, and 3.5 mi (5.6 km) west of Bernville.

DRAINAGE AREA.--66.5 mi^2 (172.2 km^2).

PERIOD OF RECORD.--November 1974 to September 1975.

GAGE.--Water-stage recorder. Datum of gage is 311.26 ft (94.872 m) above mean sea level.

EXTREMES.--Maximum discharge during period November to September, 1,820 ft^3/s (51.5 m^3/s) Sept. 26 (gage height, 6.06 ft or 1.847 m); minimum, 48 ft^3/s (1.36 m^3/s) Nov. 24 (gage height, 1.96 ft or 0.567 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	48	94	170	187	154	135	152	172	102	68
2		---	62	85	160	174	147	139	114	158	101	65
3		---	82	79	150	176	322	127	109	160	98	64
4		---	56	78	137	166	222	272	106	168	96	62
5		---	52	75	137	148	199	230	137	141	95	61
6		---	50	75	141	143	195	195	211	134	96	73
7		---	49	83	139	141	182	187	148	129	98	66
8		---	150	82	129	139	166	166	125	134	91	61
9		---	210	237	120	129	156	156	120	132	91	60
10		---	117	160	112	122	152	160	114	124	91	58
11		---	106	158	110	122	146	154	110	118	92	58
12		---	94	143	112	139	143	132	172	117	86	99
13		---	86	172	114	137	132	154	141	162	82	95
14		---	83	152	110	130	129	150	125	400	96	81
15		---	78	139	104	135	129	135	118	379	85	76
16		---	234	134	101	143	129	154	117	238	101	71
17		---	184	122	104	139	127	139	115	204	89	71
18		---	147	127	141	132	127	137	110	188	85	78
19		---	130	125	176	334	127	123	106	179	81	95
20		---	122	137	166	407	122	118	103	164	77	84
21		---	114	115	150	267	118	110	100	164	75	86
22		58	103	109	145	239	115	117	98	148	75	75
23		54	97	110	182	215	109	162	97	141	71	150
24		55	101	109	314	222	114	123	94	136	71	463
25		55	98	143	331	222	164	118	92	134	70	614
26		59	88	215	249	184	213	117	103	129	67	923
27		50	85	164	218	172	143	114	117	124	67	771
28		56	82	156	199	158	134	110	656	120	65	373
29		52	79	193	---	166	130	106	323	117	65	290
30		49	83	199	---	180	127	109	201	113	72	248
31		---	85	180	---	162	---	112	---	105	71	---
TOTAL			3155	4150	4421	5540	4573	4461	4434	5032	2604	5431
MEAN			102	134	158	179	152	144	148	162	84.0	181
MAX			234	237	331	407	322	272	656	400	102	923
MIN			48	75	101	122	109	106	92	105	65	58
CFSM			1.53	2.02	2.38	2.69	2.29	2.17	2.23	2.44	1.26	2.72
IN.			1.76	2.32	2.47	3.10	2.56	2.50	2.48	2.81	1.46	3.04

PEAK DISCHARGE (BASE, 950 CFS).--June 28 (1930) 1,160 cfs (5.33 ft); Sept. 26 (2215) 1,820 cfs (6.06 ft).

01470960 Tulpehocken Creek at Blue Marsh damsite near Reading, Pa.

LOCATION.--Lat 40°22'14", long 76°01'32", Berks County, on right bank 1 mi (1.6 km) upstream from Robers Bridge and Plum Creek, 1 mi (1.6 km) east of Blue Marsh, 3 mi (4.8 km) north of Sinking Spring and 5.5 mi (8.8 km) northwest of Reading.

DRAINAGE AREA.--175 mi² (453 km²).

PERIOD OF RECORD.--May 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 230.06 ft (70.122 m) above mean sea level (Western Berks Water Authority benchmark). Prior to Nov. 25, 1974, water-stage recorder at site 0.3 mi (0.5 km) downstream a same datum.

AVERAGE DISCHARGE.--10 years, 265 ft³/s (7.50 m³/s), 20.56 in/yr (522 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,700 ft³/s (133 m³/s) June 28 (gage height, 8.50 ft or 2.591 m); minimum, 56 ft³/s (1.59 m³/s) Nov. 7 (gage height, 1.52 ft or 0.463 m).
Period of record: Maximum discharge, 16,100 ft³/s (456 m³/s) June 22, 1972 (gage height, 18.7 ft or 5.70 m, from floodmarks), from rating curve extended above 2,600 ft³/s (74 m³/s) on basis of runoff comparison with downstream station; minimum, 22 ft³/s (0.62 m³/s) Sept. 11, 12, 13, 1966; minimum gage height, 1.45 ft (0.442 m) July 29, 30, 31, 1965.

REMARKS.--Records fair. Records of water quality for the current year are published on p.279.

REVISIONS (WATER YEARS).--WRD Penna. 1972: 1969-1971(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	69	74	206	546	584	395	341	680	697	194	145
2	113	69	110	206	485	518	371	385	310	570	187	159
3	101	72	150	170	425	468	922	335	275	516	180	142
4	95	74	110	170	376	420	933	872	250	564	173	127
5	92	76	100	166	371	385	642	911	300	428	219	121
6	89	76	98	152	371	362	612	606	760	375	184	133
7	84	67	90	170	353	344	551	564	540	345	223	145
8	81	65	500	174	384	340	485	455	440	365	170	121
9	79	63	780	590	286	286	430	390	380	320	156	113
10	74	63	450	622	250	278	400	360	350	330	149	108
11	74	63	350	573	250	282	371	350	330	286	149	100
12	74	69	300	496	246	317	353	325	560	300	159	120
13	74	142	260	556	246	366	317	390	580	442	136	150
14	69	92	240	524	220	384	290	375	460	1390	188	130
15	72	101	220	441	220	312	286	325	410	1240	149	120
16	156	98	600	405	214	366	274	360	380	870	231	110
17	181	84	780	353	226	366	270	330	360	672	201	110
18	107	84	600	335	400	376	266	315	330	570	166	100
19	92	76	474	330	502	700	270	305	300	837	149	190
20	89	81	395	362	578	1690	254	296	310	576	142	200
21	84	113	344	335	502	998	234	260	270	711	130	180
22	81	107	304	290	458	794	226	335	250	499	130	13[illegible]
23	79	89	266	262	634	710	214	516	240	433	130	400
24	79	84	250	254	1150	656	226	320	230	388	124	1550
25	76	89	242	386	1500	674	455	280	220	45[illegible]	127	2060
26	79	86	218	731	998	542	623	270	250	355	177	2020
27	76	76	194	551	770	496	415	260	280	385	142	2570
28	72	84	182	502	656	468	362	240	2200	273	127	1320
29	72	78	166	710	---	446	340	210	1500	251	118	914
30	69	75	163	710	---	502	317	220	949	227	159	697
31	69	---	160	617	---	641	---	260	---	208	156	---
TOTAL	2755	2465	9170	12349	13597	15811	12154	11821	14609	15799	5817	16085
MEAN	88.9	82.2	296	398	486	510	405	381	487	510	162	536
MAX	181	142	780	731	1500	1690	933	911	2200	1390	231	2060
MIN	69	63	74	152	214	278	214	210	220	208	118	100
CFSM	.51	.47	1.69	2.27	2.78	2.91	2.31	2.18	2.78	2.91	.93	3.06
IN.	.59	.52	1.95	2.63	2.89	3.36	2.58	2.51	3.11	3.36	1.07	3.42

CAL YR 1974 TOTAL 86351 MEAN 237 MAX 1310 MIN 62 CFSM 1.35 IN 18.36
WTR YR 1975 TOTAL 131632 MEAN 361 MAX 2060 MIN 63 CFSM 2.06 IN 27.98

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-24	2300	5.45	1,860	6-28	1500	8.50	*4,700
3-19	2330	6.08	2,370	7-14	0715	5.34	1,710
4- 3	1830	5.45	1,860	7-19	0115	5.43	1,790
5- 4	1800	5.28	1,720	9-25	2345	7.04	3,240

*About.

01471000 Tulpehocken Creek near Reading, Pa.

LOCATION.--Lat 40°22'08", long 75°58'46", Berks County, on right bank, 15 ft (4.6 m) upstream from covered bridge, 1 mi (2 km) downstream from Cacoosing Creek, 2.5 mi (4.0 km) upstream from mouth, and 3.5 mi (5.6 km) northwest of square at Reading.

DRAINAGE AREA.--211 mi^2 (546 km^2).

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for October, November 1950, published in WSP 1722.

GAGE.--Water-stage recorder. Datum of gage is 216.00 ft (65.837 m) above mean sea level.

AVERAGE DISCHARGE.--25 years, 303 ft^3/s (8.58 m^3/s), 19.50 in/yr (495 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,290 ft^3/s (150 m^3/s) June 28 (gage height, 6.91 ft or 2.106 m); minimum, 72 ft^3/s (2.04 m^3/s) Nov. 7 (gage height, 1.25 ft or 0.381 m).
Period of record: Maximum discharge, 17,000 ft^3/s (481 m^3/s) June 23, 1972 (gage height, 15.65 ft or 4.770 m, from floodmark in gage shelter), from rating curve extended above 3,500 ft^3/s (99 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 23 ft^3/s (0.65 m^3/s) Dec. 1, 1964 (gage height, 0.94 ft or 0.287 m), result of upstream shutoff.

REMARKS.--Records good. Some regulation at low flow by mills above station.

REVISIONS (WATER YEARS).--WSP 1382: 1951-53, 1954(M). WRD Penna. 1967: 1965(M). WRD Penna. 1972: 1971(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	98	113	263	619	638	445	408	692	737	264	175
2	150	95	161	267	550	571	423	446	382	626	254	170
3	139	101	224	224	508	518	971	393	338	577	245	160
4	132	107	154	219	445	472	1020	814	306	626	236	150
5	129	106	154	211	439	434	778	1070	308	495	289	140
6	126	106	150	199	439	412	684	804	926	458	260	150
7	119	94	139	232	420	396	687	716	671	418	304	160
8	116	92	587	236	370	396	547	597	553	445	236	150
9	113	89	927	744	355	348	495	530	489	402	218	140
10	110	89	547	684	385	335	456	491	445	402	216	130
11	107	84	420	626	310	335	434	476	407	365	212	130
12	107	103	370	553	300	370	407	435	710	386	233	160
13	107	104	320	613	395	423	381	511	724	559	196	180
14	107	139	286	571	277	355	354	490	571	1530	240	160
15	116	154	250	495	277	365	353	410	518	1350	205	150
16	207	150	785	467	272	423	353	465	478	948	297	140
17	263	129	560	412	277	418	331	424	456	790	255	130
18	160	132	664	391	439	423	322	389	412	684	216	130
19	135	119	535	482	595	677	322	371	376	883	193	242
20	129	126	461	461	664	1020	312	344	381	654	185	242
21	119	164	487	355	577	1070	291	324	335	751	173	240
22	113	161	360	345	529	848	277	373	315	558	170	180
23	107	139	320	330	577	764	267	535	305	488	166	552
24	106	129	305	320	948	697	282	381	291	440	160	2030
25	104	136	296	434	1750	744	514	346	281	498	160	3130
26	107	136	267	840	1150	613	688	330	310	411	210	2960
27	104	116	240	658	869	547	487	319	335	368	173	2440
28	98	126	232	509	724	524	437	291	2710	342	153	1260
29	98	119	219	778	---	506	413	267	1760	317	143	907
30	98	113	215	792	---	547	387	274	962	295	189	741
31	98	---	207	697	---	506	---	290	---	280	176	---
TOTAL	3884	3638	11211	14488	15299	17487	14038	14316	17819	18075	6629	17637
MEAN	125	121	362	465	546	564	468	462	594	583	214	588
MAX	263	164	968	840	1750	1020	1020	1070	2710	1530	304	3130
MIN	98	86	113	199	272	335	267	267	281	280	143	130
CFSM	.59	.57	1.72	2.20	2.59	2.67	2.22	2.19	2.82	2.76	1.01	2.79
IN.	.68	.64	1.98	2.54	2.70	3.08	2.47	2.52	3.14	3.19	1.17	3.11

CAL YR 1974 TOTAL 105327 MEAN 289 MAX 1440 MIN 72 CFSM 1.37 IN 18.57
WTR YR 1975 TOTAL 154441 MEAN 423 MAX 3130 MIN 86 CFSM 2.00 IN 27.23

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0330	4.09	2,050	6-28	1700	6.82	5,290
3-20	0100	4.47	2,440	9-24	1700	5.78	3,940

01471980 Manatawny Creek near Pottstown, Pa.

LOCATION.--Lat 40°16'22", long 75°40'49", Berks County, on left bank about 180 ft (55 m) upstream from bridge on Manatawny Street, 0.7 mi (1.1 km) downstream from Ironstone Creek, 2.4 mi (3.9 km) northwest of Pottstown, 3.1 mi (5.0 km) upstream from mouth, and 4.7 mi (7.6 km) southwest of Boyertown.

DRAINAGE AREA.--85.5 mi^2 (221 km^2).

PERIOD OF RECORD.--August 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.00 ft (45.720 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--August to September 1974: Maximum discharge during period, 866 ft^3/s (24.5 m^3/s) Sept. 28 (gage height, 3.83 ft or 1.167 m); minimum, 38 ft^3/s (1.08 m^3/s) Aug. 15, 16, 17 (gage height, 2.06 ft or 0.628 m).
Water year 1975: Maximum discharge, 3,160 ft^3/s (89.5 m^3/s) Mar. 20 (gage height, 7.05 ft or 2.149 m); minimum, 34 ft^3/s (0.96 m^3/s) Nov. 27; minimum gage height, 2.11 ft (0.643 m) Sept. 9, 10, 11.
Flood of June 22, 1972 reached a stage of 17.1 ft (5.21 m), from floodmarks (discharge, about 9,600 ft^3/s or 272 m^3/s).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											50	38
2											64	186
3											180	245
4											86	381
5											110	111
6											88	90
7											78	259
8											67	136
9											62	93
10											78	77
11											56	67
12											48	65
13											46	88
14											46	271
15											40	105
16											38	83
17											199	78
18											123	75
19											50	69
20											39	67
21											32	88
22											28	98
23											88	72
24											51	60
25											35	60
26											63	60
27											41	56
28											44	233
29											43	284
30											56	149
31											49	---
TOTAL											2078	3736
MEAN											67.0	125
MAX											199	381
MIN											28	38
CFSM											.78	1.46
IN.											.90	1.63

PEAK DISCHARGE (BASE, 1,200 CFS).--No peak above base.

01471980 Manatawny Creek near Pottstown, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	54	39	133	174	210	177	200	322	100	103	69
2	69	53	172	145	159	186	163	226	152	88	100	66
3	61	59	117	107	143	168	740	177	120	88	100	64
4	56	68	64	103	130	149	422	513	110	121	114	59
5	53	62	59	100	144	141	299	426	227	88	190	59
6	53	68	53	91	155	137	262	281	702	82	137	64
7	50	56	49	145	162	141	232	264	265	114	226	64
8	49	52	1060	133	128	145	210	207	177	85	110	59
9	47	49	343	558	120	114	190	184	146	238	97	55
10	46	48	168	239	112	114	181	173	124	215	91	53
11	45	47	126	209	105	121	166	162	115	100	91	51
12	44	63	114	171	110	181	159	166	250	110	88	71
13	47	179	102	241	145	200	149	261	600	466	82	145
14	48	77	99	202	120	154	137	244	220	1560	141	64
15	50	76	90	156	110	177	141	158	172	636	85	57
16	317	67	674	131	97	200	168	339	163	454	137	55
17	170	54	422	133	134	181	137	200	159	548	100	57
18	100	52	220	195	329	159	129	161	129	287	88	55
19	80	50	177	292	360	1150	129	151	114	210	76	71
20	74	53	159	411	242	1930	121	135	114	243	74	76
21	70	69	145	202	173	636	110	126	97	619	71	110
22	68	58	137	170	152	469	103	162	91	220	71	74
23	66	48	121	156	361	417	103	459	88	177	69	524
24	65	47	117	149	1190	469	163	176	88	154	66	1390
25	64	48	117	402	1080	488	507	142	91	149	74	746
26	74	51	114	476	417	287	624	136	107	133	69	361
27	66	51	103	237	299	215	250	130	117	125	74	288
28	64	46	100	193	232	205	201	113	380	121	66	159
29	61	41	94	344	---	200	183	103	268	114	54	129
30	59	39	94	253	---	305	167	115	154	110	69	117
31	57	---	91	189	---	205	---	132	---	107	74	---
TOTAL	2257	1785	5540	6666	7083	9854	6725	6422	5862	7862	2997	5192
MEAN	72.8	59.5	179	215	253	318	224	207	195	254	96.7	173
MAX	317	179	1060	558	1190	1930	740	513	702	1560	226	1390
MIN	44	39	39	91	97	114	103	103	88	82	54	51
CFSM	.85	.70	2.09	2.51	2.96	3.72	2.62	2.42	2.28	2.97	1.13	2.02
IN.	.98	.78	2.41	2.90	3.08	4.29	2.93	2.79	2.55	3.42	1.30	2.26

CAL YR 1974	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN	-
WTR YR 1975	TOTAL	68245	MEAN	187	MAX	1930	MIN	39	CFSM	2.19	IN	29.69

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1030	5.79	1,970	4- 3	1800	5.36	1,720
12-16	1730	4.71	1,350	7-14	1030	6.68	2,510
2-24	1715	4.85	1,790	7-21	0130	4.96	1,490
3-20	0100	7.05	3,160	9-24	2015	6.09	2,150

01472000 Schuylkill River at Pottstown, Pa.

LOCATION.--Lat 40°14'30", long 75°39'07", Montgomery County, on right bank 75 ft (23 m) upstream from Hanover Street bridge in Pottstown and 0.4 mi (0.6 km) downstream from Manatawny Creek.

DRAINAGE AREA.--1,147 mi^2 (2,971 km^2).

PERIOD OF RECORD.--October 1926 to current year. Monthly discharges only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 117.86 ft (35.924 m) above mean sea level. October 1926 to Nov. 22, 1928 nonrecording gage and Nov. 23, 1928 to Dec. 26, 1972 recording gage, at site 100 ft (30 m) downstream at same datum. Dec. 27, 1972 to May 10, 1974 nonrecording gage 1.0 mi (1.6 km) downstream at datum 2.83 ft (0.863 m) lower.

AVERAGE DISCHARGE.--49 years, 1,865 ft^3/s (52.82 m^3/s), 22.08 in/yr (561 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,700 ft^3/s (558 m^3/s) Sept. 25 (gage height, 11.32 ft or 3.450 m); minimum, 576 ft^3/s (16.3 m^3/s) Nov. 11 (gage height, 1.62 ft or 0.494 m)

Period of record: Maximum discharge, 95,900 ft^3/s (2,720 m^3/s) June 23, 1972 (gage height, 29.97 ft or 9.135 m, from floodmark), minimum, 87 ft^3/s (2.46 m^3/s) Aug. 13, 1930 (gage height, 0.43 ft or 0.131 m); minimum daily, 175 ft^3/s (4.96 m^3/s) Sept. 19, 1932.

Maximum stage known prior to October 1926, 21.0 ft (6.40 m) Feb. 28, 1902, from floodmarks (discharge, 53,900 ft^3/s or 1,530 m^3/s).

REMARKS.--Records good. Some regulation at low flow by mill above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	658	741	1470	4150	4100	3030	2200	2740	3070	1810	1130
2	1050	651	1090	1580	3500	3520	2820	2170	2070	2480	1710	1100
3	941	651	1320	1420	3000	3070	4850	1970	1740	2160	1620	1060
4	876	741	1080	1300	2620	2670	8060	3010	1470	2300	1590	1000
5	828	748	958	1280	2490	2420	5900	6280	1640	1930	2100	933
6	812	709	917	1240	2520	2250	4820	5070	5000	1680	1900	966
7	804	679	876	1410	2450	2150	4140	4440	4200	1590	2130	1020
8	780	644	4340	1400	2110	2130	3640	3620	2940	1520	1690	941
9	733	616	9980	3250	1940	1920	3250	3060	2410	1550	1480	892
10	725	596	5560	5560	1750	1790	3000	2730	2060	1620	1390	836
11	709	589	3810	4510	1660	1760	2800	2550	1830	1470	1360	820
12	701	616	3010	4340	1640	1890	2600	2370	3000	1420	1430	892
13	694	983	2530	4230	1620	2210	2400	3130	4300	2200	1270	1650
14	701	1080	2210	4250	1470	1950	2300	3040	2940	8120	1460	1140
15	701	908	2030	3410	1440	2020	2100	2550	2450	7350	1370	983
16	1390	900	3900	3030	1440	2130	2300	2940	2260	5200	1530	925
17	1570	804	6610	2640	1530	2070	2100	2770	2130	4590	1680	892
18	1080	780	4840	2550	2410	2070	1900	2300	1920	3700	1400	884
19	860	772	3760	2860	3240	4100	1800	2180	1730	3550	1270	992
20	804	780	3100	3420	3470	15100	1750	2030	1750	3150	1230	1380
21	788	860	2660	2370	3030	11200	1700	1930	1540	6370	1100	1470
22	764	933	2400	2120	2710	7190	1600	1950	1400	3760	1030	1250
23	733	836	2130	2010	3190	5840	1500	2860	1330	3000	1070	2570
24	725	780	1930	1890	6370	4980	1600	2450	1270	2590	1030	8100
25	709	804	1830	2600	12900	5020	5000	2020	1230	4150	1090	18600
26	717	844	1730	4490	9330	3930	10000	1930	1270	5230	1180	16000
27	701	764	1560	3780	6350	3340	3500	1820	1480	3600	1120	15300
28	701	756	1470	3220	4930	3090	2500	1900	4470	2900	1020	8730
29	694	748	1420	3760	---	2940	2300	1700	6370	2490	925	5860
30	672	741	1380	5470	---	3220	2200	1460	4050	2170	1040	4660
31	665	---	1300	4970	---	3180	---	1580	---	1960	1360	---
TOTAL	25838	22971	72472	91830	95260	115250	97460	82010	74990	98870	43385	102976
MEAN	833	766	2660	2962	3402	3718	3249	2645	2500	3189	1400	3433
MAX	1570	1080	9980	5560	12900	15100	10000	6280	6370	8120	2130	18600
MIN	665	589	741	1240	1440	1760	1500	1460	1230	1420	925	820
CFSM	.73	.67	2.32	2.58	2.97	3.24	2.83	2.31	2.18	2.78	1.22	2.99
IN.	.84	.75	2.67	2.98	3.09	3.74	3.16	2.66	2.43	3.21	1.41	3.34

CAL YR 1974 TOTAL 696633 MEAN 1909 MAX 9980 MIN 449 CFSM 1.66 IN 22.59
WTR YR 1975 TOTAL 933312 MEAN 2557 MAX 18600 MIN 589 CFSM 2.23 IN 30.27

PEAK DISCHARGE (BASE, 7,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 9	0430	8.48	12,200	6-28	2330	7.49	9,820
12-17	0445	6.33	7,440	7-14	1430	8.40	12,000
2-25	1215	9.07	15,200	7-21	0430	7.11	9,010
3-20	1045	10.50	17,400	7-25	2000	6.21	7,200
4- 4	0200	7.14	9,070	9-25	2030	11.32	19,700

01472157 French Creek near Phoenixville, Pa.

LOCATION.--Lat 40°09'05", long 75° 36'06", Chester County, on right bank 70 ft (21 m) downstream from two-span county bridge on French Creek Road, 4.5 mi (7.2 km) northwest of Phoenixville, and 7.3 mi (11.7 km) upstream from mouth.

DRAINAGE AREA.--59.1 mi² (153.1 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 160 ft (49 m), from topographic map. Prior to Nov. 7, 1968, nonrecording gage at site 70 ft (21 m) upstream at same datum.

AVERAGE DISCHARGE.--7 years, 93.8 ft³/s (2.656 m³/s), 21.55 in/yr (547 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,100 ft³/s (59.5 m³/s) July 14 (gage height, 8.43 ft or 2.569 m); minimum,17 ft³/s (0.48 m³/s) Oct. 11 (gage height, 4.23 ft or 1.289 m).
Period of record: Maximum discharge, 11,200 ft³/s (317 m³/s) June 22, 1972 (gage height, 13.66 ft or 4.164 m), from rating curve extended above 2,500 ft³/s (70.8 m³/s) on basis of slope-area measurement of peak flow; minimum, 11 ft³/s (0.31 m³/s) July 4, 5, 1969 (gage height, 4.11 ft or 1.253 m).

REMARKS.--Records good except those for period April 24 to August 6, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	22	22	70	84	121	121	145	513	68	62	33
2	25	24	72	87	80	110	112	170	120	60	60	34
3	22	23	53	51	74	101	169	132	100	60	58	32
4	20	25	34	48	68	92	145	229	90	80	58	30
5	20	27	28	46	79	88	111	205	130	64	80	30
6	19	30	26	41	94	88	104	145	261	62	59	30
7	20	25	28	100	104	88	100	146	144	60	65	31
8	18	21	683	80	79	93	96	120	108	60	53	30
9	18	19	228	266	71	77	92	110	97	60	48	29
10	17	17	82	122	69	76	90	106	90	66	45	27
11	17	18	57	109	64	83	88	102	87	60	46	26
12	17	20	50	88	62	122	86	104	249	58	44	37
13	18	70	46	127	60	137	83	175	389	282	42	58
14	19	40	44	118	58	108	80	133	140	1200	43	33
15	19	25	41	78	60	139	87	105	110	283	42	29
16	148	23	406	69	62	147	104	194	130	197	80	29
17	83	22	282	65	78	136	86	129	110	139	59	30
18	39	21	102	123	187	111	80	105	90	111	50	29
19	30	20	72	204	217	655	82	100	80	99	44	48
20	27	22	62	334	151	973	79	93	110	95	45	44
21	25	30	55	134	109	260	71	102	70	376	41	150
22	24	35	51	106	94	197	68	103	66	126	40	65
23	24	30	46	95	202	185	67	472	64	100	37	347
24	24	25	45	94	561	213	124	141	64	91	36	603
25	24	27	44	246	464	249	423	109	66	113	38	374
26	25	30	42	234	196	160	538	101	80	85	36	196
27	25	26	39	121	150	135	179	97	95	77	37	132
28	23	24	38	100	130	127	138	87	156	74	34	82
29	22	24	36	129	---	127	124	82	130	71	32	66
30	22	22	37	105	---	196	116	91	80	66	32	59
31	22	---	37	89	---	147	---	115	---	64	32	---
TOTAL	877	787	2888	3679	3707	5541	3843	4328	4019	4407	1478	2743
MEAN	28.3	26.2	93.2	119	132	179	128	140	134	142	47.7	91.4
MAX	140	70	683	334	561	973	538	472	513	1200	80	603
MIN	17	17	22	41	58	76	67	82	64	58	32	26
CFSM	.48	.44	1.58	2.01	2.23	3.03	2.17	2.37	2.27	2.40	.81	1.55
IN.	.55	.50	1.82	2.32	2.33	3.49	2.42	2.72	2.53	2.77	.93	1.73

CAL YR 1974 TOTAL 28375 MEAN 77.7 MAX 683 MIN 16 CFSM 1.31 IN 17.86
WTR YR 1975 TOTAL 38297 MEAN 105 MAX 1200 MIN 17 CFSM 1.78 IN 24.11

PEAK DISCHARGE (BASE, 750 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1245	7.52	1,340	5-23	0200	7.11	1,060
12-16	1500	6.98	968	6- 1	0530	7.07	1,030
2-24	1900	7.25	1,160	7-14	1200	8.43	2,100
3-19	1900	8.22	1,910	9-24	2130	6.68	788
4-25	2345	7.11	1,060				

01472174 Pickering Creek near Chester Springs, Pa.

LOCATION.--Lat 40°05'22", long 75°37'50", Chester County, on left bank 30 ft (9.1 m) downstream from bridge on Horseshoe Trail Road, 0.45 mi (0.72 km) downstream from unnamed tributary, and 0.75 mi (1.21 km) southwest of Chester Springs.

DRAINAGE AREA.--5.98 mi^2 (15.49 km^2).

PERIOD OF RECORD.--January 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 280 ft (85 m) from topographic map. Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--8 years, 10.3 ft^3/s (0.292 m^3/s), 23.39 in/yr (594 mm/yr).

EXTREMES.--Current year: Maximum discharge 1,340 ft^3/s (37.9 m^3/s) July 14 (gage height, 4.88 ft or 1.487 m); minimum, 2.8 ft^3/s (0.079 m^3/s) Oct. 10, 11, 12 (gage height, 1.15 ft or 0.351 m).
Period of record: Maximum discharge, 2,410 ft^3/s (68.3 m^3/s) June 22, 1972 (gage height, 5.21 ft or 1.588 m), from rating curve extended above 700 ft^3/s (19.8 m^3/s); minimum, 0.87 ft^3/s (0.025 m^3/s) Sept. 1, 2, 1969 (gage height, 0.94 ft or 0.287 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	3.4	5.0	15	11	18	12	14	58	11	8.6	6.1
2	3.8	3.4	14	11	11	16	11	12	10	10	8.6	5.9
3	3.7	3.7	6.5	9.4	10	15	15	10	12	13	8.4	5.7
4	3.5	3.7	5.4	9.4	9.9	14	12	22	9.0	11	8.8	5.5
5	3.7	3.8	5.0	8.6	13	14	12	15	13	9.6	11	5.5
6	3.4	3.8	4.8	8.7	16	14	11	14	17	9.0	10	5.5
7	3.4	3.8	5.0	20	16	15	11	14	10	8.8	8.2	6.1
8	3.5	3.7	123	11	13	15	11	11	8.6	8.6	8.8	5.9
9	3.4	3.5	18	29	12	13	11	10	8.0	8.4	5.2	5.3
10	3.2	3.2	12	10	11	14	11	9.6	7.4	8.2	5.2	5.0
11	3.2	3.4	9.8	12	11	15	11	9.4	7.2	8.2	5.3	5.0
12	3.2	9.4	9.5	8.4	10	22	11	9.4	66	8.4	6.1	7.6
13	3.7	8.3	8.1	21	10	16	11	16	45	96	6.3	6.1
14	3.8	5.8	7.9	12	10	15	11	9.8	13	377	7.0	5.2
15	4.0	5.8	6.7	10	10	17	12	9.0	11	29	6.6	5.2
16	27	5.1	76	8.0	12	15	13	24	10	25	15	5.2
17	8.4	4.8	18	7.2	18	14	11	11	9.6	16	8.2	5.2
18	5.9	4.7	12	33	32	13	10	10	8.6	13	7.6	5.2
19	5.0	4.5	11	26	28	100	11	9.2	8.6	11	7.0	7.6
20	4.5	5.4	9.8	32	17	45	10	8.4	8.4	11	7.2	6.5
21	4.1	6.4	9.3	17	14	20	9.4	9.0	7.4	17	6.6	14
22	4.0	5.6	8.9	13	12	17	9.2	8.8	7.4	10	6.6	6.8
23	4.0	4.9	8.5	13	25	15	8.8	9.6	7.2	9.2	6.3	52
24	3.8	4.8	8.5	14	93	25	19	7.8	9.0	9.8	6.5	73
25	3.8	4.8	8.6	32	55	17	68	7.6	8.0	57	6.5	24
26	3.8	4.3	8.1	18	26	12	43	7.4	20	12	6.3	16
27	3.4	3.9	7.9	13	21	12	13	7.2	18	11	6.1	9.6
28	3.4	4.4	7.8	12	19	12	11	6.5	105	10	5.9	7.6
29	3.5	4.5	7.5	13	---	13	10	6.1	30	9.4	5.9	7.0
30	3.5	4.1	7.6	11	---	18	9.8	7.0	15	9.0	5.9	6.6
31	3.5	---	8.1	11	---	13	---	10	---	8.8	5.9	---
TOTAL	145.6	140.9	458.3	468.7	545.9	594	429.2	334.6	567.4	855.4	225.6	331.9
MEAN	4.70	4.70	14.8	15.1	19.5	19.2	14.3	10.8	18.9	27.6	7.28	11.1
MAX	27	9.4	123	33	93	100	68	24	105	377	15	73
MIN	3.2	3.2	4.8	7.2	9.9	12	8.8	6.1	7.2	8.2	5.2	5.0
CFSM	.79	.79	2.47	2.53	3.26	3.21	2.39	1.81	3.16	4.62	1.22	1.86
IN.	.91	.88	2.85	2.92	3.40	3.69	2.67	2.08	3.53	5.32	1.40	2.06

CAL YR 1974 TOTAL 3221.9 MEAN 8.83 MAX 123 MIN 2.8 CFSM 1.48 IN 20.04
WTR YR 1975 TOTAL 5097.7 MEAN 14.0 MAX 377 MIN 3.2 CFSM 2.34 IN 31.71

PEAK DISCHARGE (BASE, 220 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1200	4.18	328	4-25	2215	4.11	286
12-16	1530	4.08	272	6-28	1945	4.44	568
2-24	1830	4.06	264	7-14	0230	4.88	1,340
3-19	Unk.	4.54	696	7-25	0245	4.25	304

01472186 Pigeon Run at Rapps Corner, Pa.

LOCATION.--Lat 40°04'58", long 75°35'31", Chester County, on left bank 5 ft (2 m) upstream from Yellow Springs Road, 0.6 mi (1.0 km) southeast of Rapps Corner, 1.6 mi (2.6 km) southeast of Chester Springs and 3 mi (4.8 km) west of Devault, Pa.

DRAINAGE AREA.--1.06 mi^2 (2.75 km^2).

PERIOD OF RECORD.--March 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 280 ft (85 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 109 ft^3/s (3.09 m^3/s) July 13, 14 (gage height, 9.01 ft or 2.746 m), from rating curve extended above 35 ft^3/s (1.0 m^3/s); minimum daily, 0.55 ft^3/s (0.016 m^3/s) Oct. 20-29; minimum gage height, 5.06 ft (1.542 m) on many days in August and September.
Period of record: Maximum, 109 ft^3/s (3.09 m^3/s) July 13, 14, 1975 (gage height, 9.01 ft or 2.746 m), from rating curve extended above 35 ft^3/s (1.0 m^3/s); minimum, 0.32 ft^3/s (0.009 m^3/s) Aug. 29, 1974; minimum gage height, 5.06 ft (1.542 m) on many days in August and September 1975.

REMARKS.--Records fair except those for period July 25 to Sept. 30, which are poor. The storm of July 25 caused some flow to by-pass the gaging station. This diversion is included in the figures of daily discharge but not in the figures of peak discharges. The maximum amount of flow diverted around the gage was less than 10 ft^3/s (0.28 m^3/s).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.90	.65	.88	2.1	1.5	2.4	2.7	3.3	4.8	1.2	1.2	.60
2	.76	.65	1.5	1.7	1.5	2.4	2.6	2.8	2.0	1.1	1.2	.60
3	.70	.65	.83	1.6	1.5	2.3	3.0	2.7	2.3	1.5	1.1	.60
4	.75	.65	.75	1.5	1.5	2.3	2.7	4.0	1.8	1.2	1.4	.59
5	.72	.65	.75	1.5	1.7	2.3	2.6	3.0	2.3	1.1	1.2	.58
6	.70	.65	.75	1.6	1.9	2.3	2.6	2.7	2.8	1.1	1.1	.58
7	.66	.65	.77	2.1	1.7	2.3	2.6	2.6	2.0	1.1	1.0	.57
8	.65	.65	9.2	1.6	1.5	2.3	2.5	2.4	1.8	1.1	.95	.57
9	.65	.65	2.0	3.3	1.5	2.2	2.4	2.2	1.8	1.1	.91	.56
10	.65	.65	1.4	1.8	1.4	2.2	2.4	2.1	1.6	1.1	.87	.56
11	.65	.65	1.3	2.0	1.4	2.3	2.5	2.0	1.6	1.1	.84	.56
12	.65	.65	1.2	1.7	1.4	2.5	2.5	2.0	7.5	1.1	.82	.80
13	.66	1.6	1.2	2.5	1.4	2.3	2.5	2.5	4.6	22	.80	.54
14	.65	.83	1.1	1.8	1.4	2.6	2.5	1.9	2.0	26	.80	.54
15	.65	.82	1.1	1.6	1.5	2.8	2.7	1.8	1.6	3.5	.80	.54
16	2.8	.75	13	1.5	1.5	2.5	2.6	3.2	1.6	2.7	1.5	.54
17	.97	.75	2.5	1.4	1.6	2.4	2.5	2.2	1.5	2.2	.90	.54
18	.65	.75	2.0	2.7	2.2	2.2	2.5	2.1	1.4	1.9	.85	.54
19	.65	.75	1.8	2.7	2.4	15	2.6	2.1	1.5	1.8	.80	.80
20	.55	.87	1.7	2.5	2.0	9.2	2.6	2.0	1.4	1.8	.84	.60
21	.55	.90	1.6	1.9	1.6	3.7	2.5	2.2	1.2	1.9	.78	1.5
22	.55	.79	1.6	1.6	1.6	3.4	2.5	2.1	1.2	1.5	.74	.90
23	.55	.75	1.6	1.6	2.4	3.2	2.4	2.0	1.2	1.4	.71	2.0
24	.55	.75	1.5	1.6	7.7	4.1	3.7	1.8	1.4	1.5	.69	7.0
25	.55	.78	1.5	3.0	3.9	3.4	8.8	1.8	1.2	6.0	.67	2.0
26	.55	.78	1.5	2.1	2.7	2.9	6.0	1.8	2.2	1.8	.66	1.4
27	.55	.78	1.5	1.7	2.6	2.8	3.4	1.8	1.5	1.6	.65	1.2
28	.55	.85	1.5	1.6	2.5	2.8	3.1	1.6	2.3	1.4	.64	1.1
29	.55	.80	1.5	1.7	---	2.8	3.0	1.6	1.6	1.4	.63	1.0
30	.65	.78	1.5	1.5	---	3.3	2.9	1.6	1.4	1.3	.62	.90
31	.65	---	1.6	1.6	---	2.8	---	2.0	---	1.2	.61	---
TOTAL	22.27	22.88	62.63	59.1	57.5	102.0	89.9	69.9	63.1	96.7	27.28	30.81
MEAN	.72	.76	2.02	1.91	2.05	3.29	3.00	2.25	2.10	3.12	.88	1.03
MAX	2.8	1.6	13	3.3	7.7	15	8.8	4.0	7.5	26	1.5	7.0
MIN	.55	.65	.75	1.4	1.4	2.2	2.4	1.6	1.2	1.1	.61	.54
CFSM	.68	.72	1.91	1.80	1.93	3.10	2.83	2.12	1.98	2.94	.83	.97
IN.	.78	.80	2.20	2.07	2.02	3.58	3.15	2.45	2.21	3.39	.96	1.08

CAL YR 1974 TOTAL - MEAN - MAX - MIN - CFSM - IN -
WTR YR 1975 TOTAL 704.07 MEAN 1.93 MAX 26 MIN .54 CFSM 1.82 IN 24.69

PEAK DISCHARGE (BASE, 10 CFS)

* From peak-stage indicator.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1215	5.97	12	3-19	1730	7.36	46	6-25	1740	6.07	14
12- 8	0930	6.75	29	4-25	2010	6.86	32	7-13	0335	9.01	109
12-16	1150	6.83	31	6- 1	0305	6.24	18	7-14	0155	9.01	109
1-25	1620	5.94	12	6-12	0925	6.41	22	7-25	0025	7.73	69
2-24	1650	6.74	29	6-13	0510	6.38	21	9-24	Unk.	5.93*	15

01473000 Perkiomen Creek at Graterford, Pa.

LOCATION.--Lat 40°13'46", long 75°27'07", Montgomery County, on left bank 1,650 ft (503 m) upstream from highway bridge at Graterford, 0.5 mi (0.8 km) upstream from Landis Brook and 2.5 mi (4.0 km) north of Collegeville.

DRAINAGE AREA.--279 mi^2 (723 km^2).

PERIOD OF RECORD.--June 1914 to current year. Monthly discharge only for some periods, published in WSP 1302. Prior to October 1950, published as "at Graters Ford".

GAGE.--Water-stage recorder. Datum of gage is 112.66 ft (34.339 m) above mean sea level. June 1914 to Sept. 6, 1921, nonrecording gage at site 1,650 ft (503 m) downstream at datum, 3.29 ft (1.003 m) lower. Sept. 7, 1921 to Sept. 13, 1927, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--61 years, 382 ft^3/s (10.82 m^3/s), 18.59 in/yr (472 mm/yr), adjusted for storage since December 1956.

EXTREMES.--Current year: Maximum discharge, 19,200 ft^3/s (544 m^3/s) July 14 (gage height, 12.39 ft or 3.776 m); minimum, 63 ft^3/s (1.78 m^3/s) Sept. 10 (gage height, 1.16 ft or 0.354 m).
Period of record: Maximum discharge, 39,900 ft^3/s (1,130 m^3/s) July 9, 1935 (gage height, 18.26 ft or 5.566 m), from rating curve extended above 12,000 ft^3/s (340 m^3/s) on basis of slope-area measurement at gage height, 16.23 ft (4.947 m); minimum, 4.7 ft^3/s (0.13 m^3/s) Oct. 5, 1941; minimum daily, 5.6 ft^3/s (0.16 m^3/s) Oct. 5, 1941.

REMARKS.--Records good. Some regulation by Green Lane Reservoir 10.5 mi (16.9 km) upstream since December 21, 1956 (see p.130).

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1171: 1935(M). WSP 1302: 1915-16, 1927-29. WSP 1382: 1932-33, 1935, 1937, 1942, 1947, 1948(M), 1949(P), 1950(M), 1951-52(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	335	100	93	280	488	477	408	323	3130	193	139	85
2	255	112	252	557	428	408	355	399	642	148	136	80
3	201	108	352	324	368	360	1220	348	420	155	127	80
4	165	127	219	286	316	303	900	960	319	237	119	76
5	145	131	158	277	333	279	450	1280	483	165	444	74
6	131	135	143	237	366	272	400	609	2990	138	232	74
7	125	125	135	724	446	275	350	603	1250	420	316	80
8	113	110	5720	668	358	327	310	443	580	189	204	72
9	102	95	2290	2540	308	252	280	351	406	148	147	70
10	100	88	790	1140	255	237	260	311	321	294	125	65
11	100	88	493	761	243	242	250	307	275	173	116	63
12	95	94	402	625	233	322	240	275	3090	165	112	83
13	92	345	351	1030	305	663	220	591	3950	4030	106	158
14	87	242	319	1060	265	440	210	531	1030	13900	168	113
15	90	185	295	533	222	695	210	329	538	2310	135	80
16	1030	159	2740	434	216	868	280	953	402	1720	224	72
17	1130	136	2250	352	266	705	220	636	396	945	258	72
18	436	124	831	546	1410	524	200	382	309	621	166	70
19	280	123	519	1760	2010	3150	210	334	255	435	136	80
20	223	127	422	2740	1240	6730	230	282	237	371	145	100
21	189	151	361	853	753	1350	160	246	193	3360	126	255
22	162	156	330	607	575	824	150	272	158	769	106	223
23	151	121	282	523	1580	746	150	1610	145	446	103	1980
24	145	111	270	493	5620	826	225	517	141	349	245	5500
25	135	110	271	1980	4260	1440	1430	309	141	369	432	3700
26	138	124	266	2150	1170	724	2860	251	155	318	146	1720
27	128	104	222	836	704	491	755	237	173	252	122	1300
28	122	99	214	575	544	425	473	197	396	228	111	596
29	111	100	197	1270	---	402	382	162	650	200	90	379
30	111	96	195	992	---	663	328	155	340	170	85	294
31	108	---	187	583	---	583	---	227	---	150	90	---
TOTAL	6738	3926	21569	27736	25282	25913	14116	14430	23715	33368	5217	17594
MEAN	217	131	696	895	903	836	471	465	791	1076	168	586
MAX	1130	345	5720	2740	5620	6730	2860	1610	3950	13900	444	5500
MIN	87	88	93	237	216	237	150	155	141	138	85	63
MEAN#	215	130	698	896	903	836	470	471	784	1076	167	588
CFSM#	.77	.47	2.50	3.21	3.24	3.00	1.68	1.69	2.81	3.86	.60	2.11
IN.#	.89	.52	2.88	3.70	3.37	3.46	1.87	1.95	3.14	4.45	.69	2.35

CAL YR 1974 TOTAL 151313 MEAN 415 MAX 5960 MIN 54 MEAN# 415 CFSM# 1.49 IN.# 20.16
WTR YR 1975 TOTAL 219604 MEAN 602 MAX 13900 MIN 63 MEAN# 602 CFSM# 2.16 IN.# 29.27

Adjusted for change in contents in Green Lane Reservoir.

01473120 Skippack Creek near Collegeville, Pa.

LOCATION.--Lat 40°09'52", long 75°26'01", Montgomery County, on right bank 60 ft (18 m) downstream from two-span highway bridge, 1.5 mi (2.4 km) upstream from mouth, and 2 mi (3 km) southeast of Collegeville.

DRAINAGE AREA.--53.7 mi^2 (139.1 km^2).

PERIOD OF RECORD.--April 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 99.03 ft (30.184 m) above mean sea level. Prior to June 15, 1967, nonrecording gage at site 60 ft (18 m) upstream at same datum.

AVERAGE DISCHARGE.--9 years, 81.4 ft^3/s (2.305 m^3/s), 20.58 in/yr (523 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,000 ft^3/s (368 m^3/s) July 13 (gage height, 13.94 ft or 4.249 m); minimum, 5.3 ft^3/s (0.15 m^3/s) Sept. 11, 12 (gage height, 0.99 ft or 0.302 m).
Period of record: Maximum discharge, 40,400 ft^3/s (1,140 m^3/s) Sept. 13, 1971 (gage height, 22.5 ft or 6.86 m, from floodmark), from rating curve extended above 8,400 ft^3/s (238 m^3/s) on basis of slope-area measurement of peak flow; minimum, 0.1 ft^3/s (0.003 m^3/s) Sept. 12, 13, 1966; minimum gage height, 0.79 ft (0.241 m) Oct 3, 1968.

REMARKS.--Records good except those for periods Apr. 3-24, July 14 to Aug. 11, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	14	8.7	71	72	48	71	54	665	57	19	11
2	49	12	134	74	64	40	66	54	93	45	17	11
3	38	12	58	52	60	33	90	48	61	41	16	10
4	31	12	38	51	52	25	70	102	49	44	35	9.4
5	26	12	30	44	58	23	60	88	84	31	70	8.6
6	23	12	26	40	79	21	56	63	413	57	22	9.4
7	21	11	24	198	90	18	53	60	132	45	60	10
8	18	11	976	82	71	18	50	51	74	33	30	7.3
9	16	10	209	541	61	11	47	51	57	29	15	7.9
10	14	9.1	100	150	58	11	44	49	48	29	11	6.2
11	12	9.1	72	120	49	12	41	48	44	23	10	5.7
12	12	16	61	95	44	25	38	45	816	20	11	6.2
13	12	42	52	334	62	38	36	67	904	4770	9.4	35
14	12	17	48	205	50	42	33	46	144	3000	11	10
15	12	15	41	106	40	148	37	40	82	500	9.4	7.3
16	290	14	955	85	35	93	45	160	64	300	55	6.7
17	134	12	268	71	61	54	35	63	60	200	26	7.3
18	66	11	124	336	347	41	28	51	49	150	14	6.7
19	51	12	87	436	362	1270	27	49	44	120	12	10
20	42	12	71	618	187	1280	25	45	49	100	26	12
21	35	15	61	162	117	183	23	45	33	350	13	71
22	31	13	54	113	90	130	22	44	26	100	10	27
23	29	12	45	99	425	115	21	111	23	80	8.6	660
24	24	11	44	97	1470	185	40	48	22	70	40	1510
25	23	12	42	514	425	220	548	35	21	300	993	566
26	22	11	38	256	130	113	593	30	38	53	50	293
27	18	8.7	33	120	77	88	108	28	25	37	31	179
28	16	8.7	30	93	55	80	75	23	419	30	21	93
29	15	8.2	26	148	---	75	61	18	669	26	16	67
30	14	8.2	25	99	---	113	51	17	88	24	14	55
31	14	---	24	79	---	82	---	34	---	21	13	---
TOTAL	1183	383.0	3804.7	5489	4691	4635	2494	1667	5296	10685	1688.4	3718.7
MEAN	38.2	12.8	123	177	168	150	83.1	53.8	177	345	54.5	124
MAX	290	42	976	618	1470	1280	593	160	904	4770	993	1510
MIN	12	8.2	8.7	40	35	11	21	17	21	20	8.6	5.7
CFSM	.71	.24	2.29	3.30	3.13	2.79	1.55	1.00	3.30	6.42	1.01	2.31
IN.	.82	.27	2.64	3.80	3.25	3.21	1.73	1.15	3.67	7.40	1.17	2.58

CAL YR 1974 TOTAL 25368.1 MEAN 69.5 MAX 1460 MIN 4.8 CFSM 1.29 IN 17.57
WTR YR 1975 TOTAL 45734.8 MEAN 125 MAX 4770 MIN 5.7 CFSM 2.33 IN 31.68

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1215	7.47	2,970	4-25	2315	7.58	3,080	7-13	0745	13.94	13,000
12-16	1530	8.07	3,570	6- 1	0715	6.55	2,180	7-14	0530	10.38	6,420
1-19	2330	6.39	2,070	6-12	2345	7.25	2,750	8-25	0200	11.26	7,820
2-24	2000	8.61	4,110	6-28	2215	8.38	3,880	9-24	2230	7.69	3,190
3-20	0130	9.81	5,590								

01473870 Pine Run tributary near Ambler, Pa.

LOCATION.--Lat 40°08'56", long 75°10'50", Montgomery County, on left bank 20 ft (6 m) upstream from Susquehanna Road, 1.5 mi (2.4 km) east of Fort Washington, 2.2 mi (3.5 km) west of Ambler, and 3 mi (4.8 km) northwest of Roslyn.

DRAINAGE AREA.--1.18 mi^2 (3.06 km^2).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 200 ft (61 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, about 450 ft^3/s (12.7 m^3/s) July 13 (gage height, unknown), from flow-through-culvert study; minimum, 0.17 ft^3/s (0.005 m^3/s) Sept. 9, 10, 11, 17 (gage height, 1.19 ft or 0.363 m).
Period of record: Maximum discharge, about 450 ft^3/s (12.7 m^3/s) July 13, 1975 (gage height, unknown), from flow-through-culvert study; minimum, 0.06 ft^3/s (0.002 m^3/s) July 13, Aug. 10, 1974 (gage height, 1.08 ft or 0.329 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.75	.63	.30	1.3	1.8	2.1	2.4	1.9	18	1.1	1.7	.26
2	.68	.58	2.0	1.2	1.8	2.1	2.4	1.7	2.7	1.1	1.5	.25
3	.63	.57	.49	1.2	1.7	1.9	3.0	1.6	2.7	1.1	1.4	.24
4	.59	.57	.37	1.2	1.5	1.8	2.2	3.3	2.4	1.1	1.2	.23
5	.55	.57	.32	1.2	1.7	1.7	2.1	2.1	3.5	1.1	1.2	.21
6	.51	.64	.30	1.2	2.1	1.7	2.1	2.0	7.6	1.1	1.2	.24
7	.50	.52	.29	2.1	1.8	1.7	1.9	1.9	3.2	1.2	1.2	.20
8	.46	.50	5.6	1.3	1.5	1.5	1.8	1.7	2.9	1.3	1.2	.19
9	.46	.46	1.2	5.1	1.5	1.3	1.6	1.5	2.6	1.2	1.2	.18
10	.45	.46	.86	1.7	1.3	1.2	1.5	1.5	2.3	1.1	1.1	.17
11	.41	.46	.77	1.7	1.3	1.2	1.5	1.5	2.2	.93	1.1	.18
12	.41	.87	.73	1.4	1.3	1.4	1.5	1.7	48	6.0	.97	2.2
13	.46	1.2	.65	3.3	1.3	1.3	1.4	2.9	12	30	.90	.43
14	.41	.56	.62	2.1	1.2	1.6	1.2	1.5	5.2	13	.82	.19
15	.44	.70	.57	1.7	1.2	1.4	1.3	1.3	4.1	6.0	.78	.18
16	10	.47	29	1.7	1.2	1.2	1.5	3.2	3.7	3.4	.77	.18
17	1.8	.41	2.3	1.4	1.7	1.2	1.3	1.7	3.4	3.2	.77	.18
18	1.5	.41	1.8	4.0	2.9	1.1	1.2	1.8	3.0	2.9	.77	.50
19	1.3	.41	1.5	3.1	2.3	34	1.2	1.6	3.0	2.9	.75	1.3
20	1.1	.54	1.4	3.8	1.8	6.1	1.1	1.7	2.7	2.7	.68	.40
21	1.0	.47	1.4	2.4	1.7	3.6	.99	2.7	2.3	2.6	.61	5.0
22	.99	.35	1.3	2.3	1.7	3.3	.93	8.0	2.1	2.6	.57	.60
23	.92	.32	1.3	2.1	3.3	3.1	.93	4.1	1.9	2.4	.53	10
24	.84	.32	1.3	2.1	5.7	5.0	3.2	2.3	1.9	1.9	.46	20
25	.74	.32	1.2	3.6	3.3	3.6	7.4	2.1	1.7	2.1	.58	8.0
26	.84	.30	1.1	2.6	2.8	3.0	4.8	2.0	2.3	2.1	.63	10
27	.77	.27	.85	2.1	2.4	2.8	2.4	1.8	1.9	2.1	.60	4.0
28	.70	.26	.85	2.1	2.3	2.6	2.0	1.6	1.7	2.1	.36	3.0
29	.70	.26	.85	2.4	---	2.6	1.9	1.5	1.6	2.1	.29	2.7
30	.65	.24	.85	2.1	---	3.3	1.9	2.0	1.4	1.9	.30	2.9
31	.63	---	.85	1.9	---	2.6	---	1.8	---	1.9	.29	---
TOTAL	32.19	14.64	62.92	67.4	56.1	103.0	60.65	68.0	154.0	106.23	26.43	74.11
MEAN	1.04	.49	2.03	2.17	2.00	3.32	2.02	2.19	5.13	3.43	.85	2.47
MAX	10	1.2	29	5.1	5.7	34	7.4	8.0	48	30	1.7	20
MIN	.41	.24	.29	1.2	1.2	1.1	.93	1.3	1.4	.93	.29	.17
CFSM	.88	.42	1.72	1.84	1.69	2.81	1.71	1.86	4.35	2.91	.72	2.09
IN.	1.01	.46	1.98	2.12	1.77	3.24	1.91	2.14	4.85	3.35	.83	2.33

CAL YR 1974 TOTAL 526.23 MEAN 1.44 MAX 29 MIN .10 CFSM 1.22 IN 16.58
WTR YR 1975 TOTAL 825.67 MEAN 2.26 MAX 48 MIN .17 CFSM 1.92 IN 26.01

PEAK DISCHARGE (BASE, 30 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1200	2.04	32	6-12	1915	3.29	168
12-16	1345	3.09	146	6-13	0605	2.16	57
3-19	1830	3.43	183	7-13	Unk.	Unk.	450/
4-25	2120	2.02	30	7-14	Unk.	Unk.	100/
5-22	2125	2.38	70	9-24	Unk.	2.39*	71
6- 1	0105	2.72	107				

NOTE.--No gage-height record July 13, 14.
* From peak-stage indicator.
/ About.

01473950 Wissahickon Creek at Bells Mill Road, Philadelphia, Pa.

LOCATION.--Lat 40°04'50", long 75°13'35", Philadelphia County, on left bank 300 ft (91 m) upstream from Bells Mill Road, 0.5 mi (0.8 km) south of Mt. St. Joseph College in Philadelphia.

DRAINAGE AREA.--53.6 mi^2 (139 km^2).

PERIOD OF RECORD.--October 1965 to September 1970, May 1974 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 108.58 ft (33.095 m) above mean sea level.

AVERAGE DISCHARGE.--6 years (1965-70, 1975), 70.4 ft^3/s (1.99 m^3/s), 17.84 in/yr (453 mm/yr).

EXTREMES.--Water year 1974: Maximum discharge, 4,360 ft^3/s (123 m^3/s) Dec. 21 (gage height, 9.68 ft or 2.950 m); minimum, 13 ft^3/s (0.37 m^3/s) Aug. 21 (gage height, 3.08 ft or 0.939 m).
Water year 1975: Maximum discharge, 3,930 ft^3/s (111 m^3/s) Mar. 20 (gage height, 9.27 ft or 2.825 m); minimum, 18 ft^3/s (0.51 m^3/s) Sept. 15 (gage height, 3.16 ft or 0.963 m).
Period of record: Maximum discharge, 4,360 ft^3/s (123 m^3/s) Dec. 21, 1973 (gage height, 9.68 ft or 2.950 m); minimum, 5.4 ft^3/s (0.15 m^3/s) July 27, 1966 (gage height, 2.81 ft or 0.856 m).
Flood of June 29, 1973 reached a stage of 12.66 ft (3.859 m), from floodmarks (discharge, 8,100 ft^3/s or 229 m^3/s).

REMARKS.--Records good

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									77	61	25	35
2									95	42	54	48
3									68	40	99	125
4									51	38	78	255
5									47	73	62	58
6									46	51	34	45
7									47	39	47	304
8									48	35	36	79
9									46	35	101	54
10									40	36	99	50
11									41	37	35	50
12									41	33	27	55
13									41	30	26	49
14									40	31	30	288
15									40	27	30	60
16									160	29	31	48
17									120	28	54	47
18									51	30	38	46
19									46	37	24	43
20									42	33	24	43
21									68	28	23	50
22									90	24	27	56
23									230	25	780	36
24									90	63	65	38
25									52	43	44	35
26									47	31	38	37
27									43	30	36	37
28									52	31	39	100
29									90	26	38	500
30									45	89	62	80
31									---	30	47	---
TOTAL									1994	1185	2157	2661
MEAN									66.5	38.2	69.6	88.7
MAX									230	89	780	500
MIN									40	24	23	35
CFSM									1.24	.71	1.30	1.65
IN.									1.38	.82	1.50	1.85

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0830	9.68	4,360	4- 9	0730	5.90	1,100
12-26	2000	7.34	2,140	4-13	Unk.	6.06	1,200
1-21	1800	5.92	1,110	5-12	2030	6.21	1,300
3-21	1830	6.43	1,450	8-23	0645	6.93	1,810

01473950 Wissahickon Creek at Bells Mill Road, Philadelphia, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	37	36	100	87	106	94	94	558	61	62	30
2	52	38	196	70	81	96	87	96	121	57	59	28
3	48	38	69	60	75	87	151	80	121	55	55	28
4	45	34	45	56	72	83	98	210	117	63	71	28
5	45	37	41	52	92	78	87	120	140	51	99	29
6	43	41	44	50	123	77	79	90	382	64	60	31
7	39	38	44	200	116	74	74	100	157	124	59	29
8	41	38	420	87	91	72	72	80	103	76	54	27
9	41	39	143	425	79	65	71	74	92	61	51	29
10	42	35	77	110	70	64	68	74	86	64	48	27
11	42	32	65	95	72	70	68	70	79	60	45	29
12	41	45	59	90	75	88	68	74	521	57	42	94
13	42	92	58	220	70	92	66	203	743	1820	41	57
14	40	42	56	116	65	131	64	83	172	492	41	27
15	47	41	51	88	63	154	73	72	128	240	40	24
16	523	40	675	83	67	107	80	233	113	216	87	26
17	135	37	186	81	100	80	72	94	109	125	49	29
18	72	33	91	289	260	72	62	88	94	111	42	30
19	64	35	80	203	214	733	66	79	107	92	39	49
20	58	38	75	341	134	1140	60	75	101	122	46	32
21	51	40	70	130	103	182	56	80	80	517	38	217
22	52	41	66	116	96	150	60	138	72	111	36	46
23	50	37	60	106	248	146	56	371	67	88	27	642
24	47	36	58	107	475	190	100	100	66	81	28	993
25	47	32	58	246	327	217	460	80	67	492	391	570
26	50	32	54	178	146	125	540	75	100	114	49	221
27	45	32	56	105	123	107	110	71	70	89	42	165
28	41	32	54	95	109	102	100	67	72	80	38	95
29	37	32	52	125	---	101	90	62	164	75	37	79
30	40	33	50	102	---	147	85	116	73	68	34	72
31	40	---	60	93	---	102	---	101	---	62	32	---
TOTAL	2015	1157	3149	4219	3633	5038	3217	3350	4875	5788	1842	3783
MEAN	65.0	38.6	102	136	130	163	107	108	163	187	59.4	126
MAX	523	92	675	425	475	1140	540	371	743	1820	391	993
MIN	37	32	36	50	63	64	56	62	66	51	27	24
CFSM	1.21	.72	1.90	2.54	2.43	3.04	2.00	2.01	3.04	3.49	1.11	2.35
IN.	1.40	.80	2.19	2.93	2.52	3.50	2.23	2.32	3.38	4.02	1.28	2.63

CAL YR 1974	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN.	-
WTR YR 1975	TOTAL	42066	MEAN	115	MAX	1820	MIN	24	CFSM	2.15	IN	29.19

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1545	5.78	1,030	3-20	0100	9.27	3,930	7-21	0515	6.27	1,340
12- 8	1400	6.04	1,180	5-23	0145	6.11	1,230	7-25	0630	6.49	1,490
12-16	2030	7.75	2,480	6- 1	0845	5.90	1,100	8-25	0530	6.60	1,570
1- 9	0900	5.83	1,060	6-13	0145	6.51	1,510	9-24	1945	6.87	1,770
2-24	2245	6.18	1,280	7-13	1245	9.02	3,680				

01474000 Wissahickon Creek at mouth, Philadelphia, Pa.

LOCATION.--Lat 40°00'54", long 75°12'24", Philadelphia County, on left bank 100 ft (30 m) upstream from dam at Ridge Ave., 750 ft (229 m) upstream from mouth, 1,000 ft (305 m) northwest of Gustine Lake in Philadelphia.

DRAINAGE AREA.--64.0 mi^2 (166 km^2).

PERIOD OF RECORD.--June 1897 to September 1903, January 1905 to July 1906, October 1965 to September 1970, May 1974 to current year. Prior to October 1965 published as "near Philadelphia".

GAGE.--Water-stage recorder and concrete control. Datum of gage is 26.41 ft (8.050 m) above mean sea level. Prior to October 1965, water-stage recorder at about same site and datum.

AVERAGE DISCHARGE.--7 years (1897-98, 1965-70, 1974-75), 87.4 ft^3/s (2.48 m^3/s), 18.55 in/yr (471 mm/yr).

EXTREMES.--Water year 1974: Maximum discharge, 4,600 ft^3/s (130 m^3/s) Aug. 23 (gage height, 6.63 ft or 2.021 m); minimum, 23 ft^3/s (0.65 m^3/s) July 24 (gage height, 1.85 ft or 0.564 m).
Water year 1975: Maximum discharge, 4,160 ft^3/s (118 m^3/s) Mar. 20 (gage height, 6.35 ft or 1.935 m); minimum, 29 ft^3/s (0.82 m^3/s) Nov. 30; minimum gage height, 1.95 ft (0.594 m) Sept. 15, 16.
Period of record: Maximum discharge, 4,600 ft^3/s (130 m^3/s) Aug. 23, 1974 (gage height, 6.63 ft or 2.021 m); minimum daily observed, 2.0 ft^3/s (0.057 m^3/s) July 18, 19, 1905.
Flood of June 29, 1973 reached a stage of 7.92 ft or 2.414 m (discharge, 6,870 ft^3/s or 195 m^3/s).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1302: 1905.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									83	65	31	39
2									103	43	81	49
3									87	42	134	175
4									56	41	142	356
5									50	103	97	74
6									47	69	41	58
7									47	43	62	393
8									50	40	46	98
9									48	40	75	68
10									43	40	159	62
11									43	43	42	60
12									43	38	38	67
13									43	36	36	62
14									42	36	37	227
15									41	36	38	76
16									209	34	34	59
17									142	33	41	57
18									56	32	62	58
19									47	38	36	55
20									44	37	31	55
21									81	32	31	65
22									104	29	34	62
23									304	27	1230	39
24									115	79	83	37
25									64	54	52	37
26									52	36	42	39
27									44	33	40	39
28									58	35	40	198
29									105	33	43	682
30									50	106	51	94
31									---	38	60	---
TOTAL				---					2301	1391	2969	3440
MEAN				---					76.7	44.9	95.8	115
MAX				---					304	106	1230	682
MIN				---					41	27	31	37
CFSM				---					1.20	.70	1.50	1.80
IN.				---					1.34	.81	1.73	2.00

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1000	6.57	4,500	4- 9	0830	4.12	1,340
12-26	2300	5.14	2,480	4-13	1900	4.22	1,440
1-21	1030	4.08	1,300	5-13	0300	4.37	1,600
3-21	1930	4.46	1,700	8-23	0430	6.63	4,600
3-31	1200	5.31	2,690	9-29	0530	4.76	2,030

01474000 Wissahickon Creek at mouth, Philadelphia, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	41	41	111	102	119	106	109	799	68	87	41
2	52	40	241	90	94	108	101	111	147	65	84	39
3	49	41	67	65	87	99	188	92	113	64	78	41
4	48	40	45	60	85	94	116	250	105	69	87	39
5	46	39	45	58	114	88	99	165	150	57	134	39
6	43	49	44	59	145	89	92	112	469	60	70	50
7	40	41	44	243	136	88	85	121	182	164	84	48
8	40	41	543	86	106	87	83	96	115	115	78	37
9	42	40	186	470	91	78	82	90	103	72	75	41
10	41	40	80	124	80	77	80	89	99	76	73	36
11	43	37	65	113	83	83	79	84	92	69	70	37
12	40	50	60	98	87	104	79	89	583	83	68	103
13	41	105	58	271	81	114	75	248	995	2100	68	100
14	39	45	56	174	76	155	73	102	195	683	70	41
15	44	43	52	104	73	175	82	86	148	269	68	35
16	675	41	1030	92	81	132	91	272	137	263	122	35
17	167	41	296	83	111	93	74	109	132	148	78	39
18	75	38	118	313	277	85	72	99	114	134	65	44
19	65	38	94	219	232	780	74	89	151	114	63	75
20	58	41	84	372	157	1440	70	85	123	134	70	50
21	51	46	77	126	114	207	65	96	94	708	63	263
22	57	41	71	113	106	171	67	120	85	134	61	73
23	53	39	62	104	283	166	65	494	80	107	50	760
24	52	39	61	103	513	198	127	110	103	100	46	1180
25	48	38	61	229	475	263	529	88	82	643	431	742
26	53	39	56	200	165	147	657	81	117	134	75	269
27	48	39	58	99	137	125	137	77	79	110	65	194
28	45	39	56	88	123	118	113	74	79	100	61	114
29	40	38	55	114	---	114	104	68	167	100	58	96
30	41	35	52	97	---	164	97	179	88	93	52	93
31	43	---	58	96	---	117	---	120	---	87	46	---
TOTAL	2238	1284	3916	4574	4214	5878	3762	4005	5926	7123	2620	4754
MEAN	72.2	42.8	126	148	151	190	125	129	198	230	84.5	158
MAX	675	105	1030	470	513	1440	657	494	995	2100	431	1180
MIN	39	35	41	58	73	77	65	68	79	57	46	35
CFSM	1.13	.67	1.97	2.31	2.36	2.97	1.95	2.02	3.09	3.59	1.32	2.47
IN.	1.30	.75	2.28	2.66	2.45	3.42	2.19	2.33	3.44	4.14	1.52	2.76

CAL YR 1974	TOTAL	-	MEAN	-	MAX	-	MIN	-	CFSM	-	IN	-
WTR YR 1975	TOTAL	50294	MEAN	138	MAX	2100	MIN	35	CFSM	2.16	IN	29.2[illegible]

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1700	4.14	1,360	4-26	0245	4.58	1,830	7-21	0630	4.41	1,640
12- 8	1515	4.16	1,380	5-23	0300	4.27	1,490	7-25	0745	4.57	1,820
12-16	2115	5.29	2,670	6- 1	0345	4.48	1,720	8-25	0630	4.58	1,830
2-24	2345	4.36	1,590	6-13	0215	4.57	1,820	9-24	2015	4.87	2,150
3-20	0145	6.35	4,160	7-13	1330	6.13	3,820				

01474500 Schuylkill River at Philadelphia, Pa.

LOCATION.--Lat 39°58'00", long 75°11'20", Philadelphia County, on right bank 150 ft (46 m) upstream from Fairmount Dam, 1,500 ft (457 m) upstream from Spring Garden Street Bridge, in Philadelphia, and 8.7 mi (14.0 km) upstream from mouth.

DRAINAGE AREA.--1,893 mi^2 (4,903 km^2).

PERIOD OF RECORD.--September 1931 to current year. Records for January 1898 to December 1912, published in WSP 35, 48, 65, 82, 97, 125, 166, 202, 241, 261, 281, 301, 381, have been found to be unreliable and should not be used.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5.74 ft (1.750 m) above mean sea level. Prior to Nov. 25, 1956, water-stage recorder at site on right bank just upstream from Fairmount Dam at same datum. Nov. 26, 1956 to Oct. 6, 1966, water-stage recorder at site on left bank 40 ft (12 m) upstream from Fairmount Dam at same datum.

AVERAGE DISCHARGE.--44 years, 2,903 ft^3/s (82.21 m^3/s), 20.83 in/yr (529 mm/yr), adjusted for diversion.

EXTREMES.--Current year: Maximum discharge, 40,400 ft^3/s (1,140 m^3/s) July 14 (gage height, 10.65 ft or 3.246 m); minimum, 598 ft^3/s (16.9 m^3/s) Nov. 12 (gage height, 5.84 ft or 1.780 m); minimum daily discharge, 719 ft^3/s (20.4 m^3/s) Nov. 11.

Period of record: Maximum discharge, 103,000 ft^3/s (2,920 m^3/s) June 23, 1972 (gage height, 14.65 ft or 4.465 m); no flow over dam at times; minimum daily, 0.6 ft^3/s (0.02 m^3/s) Sept. 2, 1966.

Maximum stage known, 17.0 ft (5.18 m) Oct. 4, 1896 (discharge, 135,000 ft^3/s or 3,820 m^3/s, from rating curve extended above 46,000 ft^3/s or 1,300 m^3/s). Flood of Mar. 1, 1902, reached a stage of 14.8 ft or 4.511 m (discharge, 98,000 ft^3/s or 2,780 m^3/s).

REMARKS.--Records good except those below 1,500 ft^3/s (42.5 m^3/s), which are fair. Some regulation by reservoirs above station. Records of daily discharge do not include diversion above station by city of Philadelphia for municipal water supply. Records of water quality for current year are published on p. 290.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1302: 1936(M). WSP 1432: 1945. See also PERIOD OF RECORD.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2260	800	920	2100	6450	6160	4190	2870	9340	4580	2340	1410
2	1700	792	1680	2710	4900	5320	3710	3400	4980	3490	2130	1180
3	1420	792	2080	2390	4360	4650	4120	3240	3020	2960	1970	1140
4	1280	801	1800	2050	3900	4050	10700	3680	2480	2980	1860	1040
5	1200	926	1410	1920	3690	3600	7830	8760	2480	2960	2530	1000
6	1130	946	1240	1850	3820	3330	6150	7330	8250	2630	2700	959
7	1070	921	1190	2870	3960	3170	5210	6380	8570	2790	2690	993
8	1030	818	7850	2940	3540	3130	4560	5340	5260	2300	2460	1010
9	1020	792	16400	6380	2910	2980	4030	4420	4010	2170	1960	904
10	964	773	9250	8490	2710	2520	3630	3860	3320	2350	1670	836
11	946	719	6040	7010	2520	2520	3330	3570	2840	2180	1570	748
12	920	731	4540	6660	2470	2480	3150	3360	6120	1960	1600	1010
13	914	1230	3850	6380	2390	3740	2950	4310	15500	16000	1490	1660
14	893	1640	3330	7920	2330	3420	2680	4720	6730	31500	1450	1620
15	849	1430	3010	5440	2150	3480	2570	3830	4530	15600	1700	1070
16	2980	1280	6870	4540	2160	4280	2710	4600	3830	10400	1840	944
17	4990	1190	13500	4020	2250	3720	2530	5080	3640	7280	2380	895
18	2530	1020	7960	4240	4180	3400	2340	3650	3170	6170	1890	850
19	1670	1010	5920	6520	6950	6510	2290	3240	2860	4960	1540	973
20	1370	1010	4780	10000	6930	30200	2270	2980	2850	4640	1420	1140
21	1220	1030	4100	5380	5380	17000	2100	2840	2570	11800	1350	2810
22	1130	1120	3590	3990	4510	10900	1910	2640	2100	6680	1170	1950
23	1080	1140	3210	3630	5610	8660	1790	5410	1930	4600	1100	6560
24	1030	1050	2890	3340	12000	7330	2020	4310	1980	3720	1170	15400
25	1010	1040	2710	4360	23300	9020	5410	3040	1730	6220	2860	25300
26	1010	1030	2560	9510	14400	6630	13100	2690	1980	7450	1350	20500
27	989	1010	2340	6660	9680	5270	5650	2560	2020	5320	1250	18200
28	917	925	2140	5140	7380	4680	3870	2360	2900	4080	1160	12800
29	895	932	2040	5200	---	4420	3330	2070	11100	3430	1010	8260
30	882	921	1910	7470	---	4840	3070	2240	6040	2910	965	6170
31	824	---	1870	6970	---	5280	---	2200	---	2590	1230	---
TOTAL	42123	29819	132980	158080	156830	186690	123200	120980	138130	188700	53805	139332
MEAN	1359	994	4290	5099	5601	6022	4107	3903	4604	6087	1736	4644
MAX	4990	1640	16400	10000	23300	30200	13100	8760	15500	31500	2860	25300
MIN	824	719	920	1850	2150	2480	1790	2070	1730	1960	965	748
(/)	255	257	249	258	258	272	268	280	289	306	330	283
MEAN#	1614	1251	4539	5357	5859	6294	4375	4183	4893	6393	2066	4927
CFSM#	.85	.66	2.40	2.83	3.10	3.32	2.31	2.21	2.58	3.38	1.09	2.60
IN.#	.98	.74	2.77	3.26	3.23	3.83	2.58	2.55	2.88	3.90	1.26	2.90

CAL YR 1974 TOTAL 1027296 MEAN 2815 MAX 18600 MIN 461 MEAN# 3084 CFSM# 1.63 IN.# 22.08
WTR YR 1975 TOTAL 1470669 MEAN 4029 MAX 31500 MIN 719 MEAN# 4305 CFSM# 2.27 IN.# 30.89

PEAK DISCHARGE (BASE, 18,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	2100	9.04	22,800	6-13	0515	8.62	18,900
12-16	2315	8.89	21,300	7-14	1115	10.65	40,400
2-25	0215	9.72	29,700	9-25	0430	9.62	28,600
3-20	0530	10.46	38,100				

/ Diversion, equivalent in cubic feet per second, for municipal water supply; furnished by city of Philadelphia.
Adjusted for diversion.

01475300 Darby Creek at Waterloo Mills near Devon, Pa.

LOCATION.--Lat 40°01'21", long 75°25'20", Chester County, on left bank 125 ft (38 m) upstream from bridge on Waterloo Road, 2 mi (3.2 km) south of Devon, and 2.5 mi (4.0 km) northwest of Newtown Square.

DRAINAGE AREA.--5.15 mi^2 (13.3 km^2).

PERIOD OF RECORD.--May 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 310 ft (94 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 462 ft^3/s (13.1 m^3/s) Sept. 24 (gage height, 4.32 ft or 1.317 m); minimum, 1.0 ft^3/s (0.028 m^3/s) Nov. 9 (gage height, 1.36 ft or 0.415 m).
Period of record: Maximum discharge, 985 ft^3/s (27.9 m^3/s) June 22, 1972 (gage height, 5.49 ft or 1.673 m); minimum, 1.0 ft^3/s (0.028 m^3/s) Nov. 9, 1974 (gage height, 1.36 ft or 0.415 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	4.6	4.6	11	8.5	11	11	11	43	7.1	7.7	4.6
2	3.3	5.0	15	7.3	8.2	11	11	10	11	6.8	7.5	4.6
3	3.1	4.7	5.5	6.2	7.9	11	15	9.1	9.0	7.9	7.3	4.2
4	3.1	4.7	4.5	6.2	7.6	9.8	11	23	8.1	6.9	9.8	4.2
5	3.2	4.8	3.9	5.7	9.9	10	10	13	14	6.4	11	3.9
6	3.0	4.6	3.7	6.7	12	10	9.5	11	23	15	8.4	4.9
7	3.0	4.3	3.9	15	11	11	9.5	11	10	8.3	8.1	4.2
8	3.0	4.3	78	7.0	8.6	10	8.8	9.1	8.6	7.0	7.8	3.9
9	3.0	3.3	11	25	8.3	9.5	8.8	8.8	8.2	13	7.1	3.7
10	3.0	3.9	7.0	8.7	7.6	9.8	8.8	8.4	7.8	8.5	7.1	3.5
11	3.0	4.7	6.0	9.6	8.1	10	9.8	8.1	7.6	7.6	7.1	3.5
12	3.1	8.6	5.6	7.9	8.2	13	8.4	8.1	54	7.7	6.8	10
13	3.5	7.1	5.3	20	7.5	11	8.1	14	41	147	7.8	5.4
14	3.6	4.0	5.3	10	7.3	17	7.5	9.5	13	38	7.5	3.9
15	4.1	4.4	5.2	7.9	7.0	15	8.8	8.4	11	19	6.2	3.7
16	37	3.8	56	7.7	7.8	11	8.8	20	11	15	9.5	3.9
17	7.7	3.7	12	7.2	12	10	7.5	9.8	11	13	7.1	3.9
18	5.1	3.7	8.4	26	19	9.5	8.1	9.1	10	11	6.5	3.7
19	4.7	3.6	7.5	16	14	106	6.8	8.8	10	11	5.9	6.8
20	4.7	4.2	6.9	17	10	35	6.8	8.1	9.2	19	6.5	5.7
21	4.6	4.9	6.7	10	8.9	15	6.5	8.1	8.8	40	5.7	53
22	4.6	4.1	6.4	9.7	8.4	15	6.2	9.5	8.1	12	5.7	8.5
23	4.5	3.6	6.1	9.4	18	14	6.2	8.4	7.5	10	5.1	61
24	4.6	3.8	6.1	9.5	30	21	17	7.5	8.0	10	5.7	124
25	4.5	4.1	6.2	20	18	16	67	7.1	7.9	15	5.4	32
26	4.5	4.1	5.7	12	13	13	30	7.1	12	9.8	5.1	19
27	4.4	3.5	5.6	9.5	12	11	12	6.8	8.4	9.3	4.6	14
28	4.2	3.6	5.6	9.1	11	11	11	6.5	11	9.0	4.6	11
29	4.4	3.5	5.4	9.7	---	11	9.8	6.2	9.2	8.8	4.6	9.9
30	4.4	3.5	5.3	8.5	---	15	9.1	9.1	7.9	8.2	4.6	9.3
31	4.3	---	6.3	8.8	---	11	---	7.5	---	8.0	4.4	---
TOTAL	156.7	130.7	320.7	342.3	309.8	493.6	358.8	302.1	409.3	515.3	208.2	433.9
MEAN	5.05	4.36	10.3	11.0	11.1	15.9	12.0	9.75	13.6	16.6	6.72	14.5
MAX	37	8.6	78	25	30	106	67	23	54	147	11	124
MIN	3.0	3.3	3.7	5.7	7.0	9.5	6.2	6.2	7.5	6.4	4.4	3.5
CFSM	.98	.85	2.00	2.14	2.16	3.09	2.33	1.89	2.64	3.22	1.30	2.82
IN.	1.13	.94	2.32	2.47	2.24	3.56	2.59	2.18	2.96	3.72	1.50	3.13

CAL YR 1974 TOTAL 2988.2 MEAN 8.19 MAX 78 MIN 2.4 CFSM 1.59 IN 21.58
WTR YR 1975 TOTAL 3981.4 MEAN 10.9 MAX 147 MIN 3.0 CFSM 2.12 IN 28.75

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	0930	3.64	270	7-20	2400	3.75	298
3-19	1845	4.08	384	9-21	0100	4.30	455
4-25	2100	4.07	381	9-24	1400	4.32	462
7-13	0345	4.30	455				

01475510 Darby Creek near Darby, Pa.

LOCATION.--Lat 39°55'44", long 75°16'22", Delaware County, on right bank 30 ft (9 m) upstream from Providence Road Bridge, 1.1 mi (1.8 km) northwest of Upper Darby, 2.3 mi (3.7 km) upstream from Cobbs Creek, and 8.4 mi (13.5 km) upstream from mouth.

DRAINAGE AREA.--37.4 mi^2 (96.9 km^2).

PERIOD OF RECORD.--February 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.41 ft (5.916 m) above mean sea level. Prior to May 9, 1964, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--11 years, 70.8 ft^3/s (2.01 m^3/s), 25.71 in/yr (653 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,330 ft^3/s (94.3 m^3/s) July 13 (gage height, 7.81 ft or 2.380 m), from rating curve extended as explained below; minimum, 24 ft^3/s (0.68 m^3/s) Oct. 11, 14 (gage height, 1.35 ft or 0.411 m).
Period of record: Maximum discharge, 5,920 ft^3/s (168 m^3/s) Aug. 23, 1974 (gage height, 10.23 ft or 3.118 m), from rating curve extended above 920 ft^3/s (26 m^3/s) on basis of step-backwater analysis; minimum, 8.8 ft^3/s (0.25 m^3/s) Sept. 2, 1966 (gage height, 1.16 ft or 0.354 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	35	45	75	61	68	70	83	551	56	61	44
2	30	35	145	54	59	66	68	74	75	54	61	42
3	30	37	47	47	58	64	152	68	63	59	59	41
4	30	37	39	45	56	63	79	210	56	58	75	39
5	29	37	37	44	86	61	70	98	163	51	94	41
6	29	41	35	51	92	61	68	88	192	75	74	41
7	28	35	35	120	75	63	66	83	63	72	63	44
8	28	35	380	51	64	63	64	72	54	56	58	41
9	28	34	81	219	59	58	64	68	53	134	56	39
10	28	34	50	63	56	59	66	66	51	74	54	37
11	28	35	45	75	56	61	68	64	53	61	53	38
12	28	51	44	56	59	81	66	83	150	64	53	75
13	29	70	41	142	58	68	64	145	700	1040	83	63
14	29	38	42	77	56	127	64	74	120	228	66	42
15	29	39	39	56	54	96	74	64	90	122	51	39
16	410	35	517	55	64	70	77	152	76	98	127	38
17	72	35	101	51	83	64	64	74	70	86	56	39
18	47	35	61	189	129	61	64	68	69	83	53	39
19	42	34	54	108	90	621	66	64	68	77	50	66
20	41	41	48	129	72	329	63	63	70	77	59	44
21	39	44	47	70	64	98	61	79	64	600	48	174
22	38	38	47	68	61	92	59	88	64	90	48	53
23	38	34	45	64	150	88	59	66	61	78	47	430
24	38	34	45	64	228	134	139	61	132	68	48	524
25	38	37	47	129	139	115	358	58	68	291	47	239
26	38	38	44	92	79	81	284	58	83	79	45	137
27	37	34	44	66	72	75	86	58	63	74	44	74
28	38	35	42	63	70	74	77	94	63	68	42	58
29	37	35	42	64	---	74	74	53	94	64	42	53
30	37	34	42	61	---	108	68	192	59	64	42	50
31	35	---	51	63	---	74	---	70	---	64	42	---
TOTAL	1460	1136	2382	2509	2250	3217	2702	2598	3538	4165	1801	2684
MEAN	47.1	37.9	76.8	80.9	80.4	104	90.1	83.8	118	134	58.1	89.5
MAX	410	70	517	219	228	621	358	210	700	1040	127	524
MIN	28	34	35	44	54	58	59	53	51	51	42	37
CFSM	1.26	1.01	2.05	2.16	2.15	2.78	2.41	2.24	3.16	3.58	1.55	2.39
IN.	1.45	1.13	2.37	2.50	2.24	3.20	2.69	2.58	3.52	4.14	1.79	2.67

CAL YR 1974 TOTAL 23996 MEAN 65.7 MAX 746 MIN 26 CFSM 1.76 IN 23.87
WTR YR 1975 TOTAL 30442 MEAN 83.4 MAX 1040 MIN 28 CFSM 2.23 IN 30.28

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1045	3.95	908	6- 1	0200	6.87	2,560
12-16	1400	5.52	1,680	6-13	Unk.	*7.1	2,740
3-19	1845	6.41	2,240	7-13	0600	7.81	3,330
4-25	2315	4.77	1,300	7-25	0330	4.71	1,280
5-30	1100	5.23	1,540	9-24	2000	4.12	984

*About.

01475530 Cobbs Creek at U. S. Highway No. 1 at Philadelphia, Pa.

LOCATION.--Lat 39°58'29", long 75°16'49", Philadelphia County, on left bank 30 ft (9 m) downstream from bridge on U. S. Highway No. 1 and 50 ft (15 m) upstream from unnamed tributary at west city limits of Philadelphia.

DRAINAGE AREA.--4.78 mi^2 (12.4 km^2).

PERIOD OF RECORD.--October 1964 to current year. Prior to October 1973 published as "near Philadelphia".

GAGE.--Water-stage recorder and concrete control. Datum of gage is 121.76 ft (37.112 m) above mean sea level.

AVERAGE DISCHARGE.--11 years, 7.06 ft^3/s (0.200 m^3/s), 20.06 in/yr (510 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,110 ft^3/s (59.8 m^3/s) July 13 (gage height, 8.92 ft or 2.719 m), from rating curve extended as explained below; minimum, 2.0 ft^3/s (0.057 m^3/s) Nov. 17 (gage height, 2.18 ft or 0.664 m).

Period of record: Maximum discharge, 3,480 ft^3/s (98.6 m^3/s) Aug. 23, 1974 (gage height, 10.48 ft or 3.194 m), from rating curve extended above 160 ft^3/s (4.5 m^3/s) on basis of computation of flow through culvert at gage height, 9.18 ft (2.798 m); minimum, 0.3 ft^3/s (0.008 m^3/s) Oct. 13, Nov. 24, 25, 1965; minimum gage height, 2.03 ft (0.619 m) Nov. 25, 1965.

REMARKS.--Records good.

CORRECTIONS.--The maximum gage height for water year 1973 is 9.18 ft (2.798 m) June 29, 1973; the previously published figure was not the maximum.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.9	5.8	10	6.4	5.3	8.3	9.3	73	4.6	4.2	3.2
2	3.0	4.1	26	4.7	5.5	5.2	6.8	7.1	8.5	4.3	4.0	3.3
3	3.0	4.7	4.1	4.9	5.2	5.0	28	6.0	6.8	6.7	4.0	3.2
4	2.8	4.7	3.4	4.7	5.3	4.9	7.3	37	6.0	4.5	6.5	3.0
5	2.8	4.9	3.4	4.7	13	4.6	6.6	8.6	31	4.1	7.3	3.1
6	2.8	5.5	3.6	9.6	14	4.7	6.7	11	28	3.9	12	2.9
7	2.6	3.2	3.6	17	6.5	5.6	6.0	7.4	6.5	8.2	5.1	3.0
8	2.8	3.0	53	4.7	5.1	5.4	6.2	6.3	5.7	3.9	4.6	3.2
9	2.8	3.0	6.5	38	4.9	4.9	6.5	6.1	5.6	20	4.2	2.9
10	2.4	3.0	4.7	6.2	4.6	5.8	5.1	6.0	5.2	6.4	3.9	2.6
11	2.4	3.0	4.1	9.8	4.4	5.5	5.0	5.6	5.1	5.9	3.8	2.6
12	2.2	11	4.1	4.8	4.9	13	5.5	13	53	11	3.5	12
13	2.6	7.5	4.1	25	4.7	5.7	5.0	21	24	196	8.9	3.5
14	2.6	3.6	4.4	6.3	4.7	26	5.6	6.1	8.3	23	6.0	2.9
15	2.8	4.1	3.9	4.7	4.5	10	9.5	5.5	7.2	15	4.2	2.9
16	77	3.4	86	4.2	8.4	5.9	7.7	23	7.5	9.5	22	2.9
17	5.8	3.0	8.8	4.2	16	5.6	5.4	6.1	6.8	7.2	10	2.9
18	4.7	3.2	5.8	34	14	5.8	5.3	7.8	6.0	6.4	5.4	3.5
19	4.4	3.2	5.2	14	8.6	100	5.8	6.6	8.7	5.8	5.0	12
20	4.1	5.2	4.9	14	5.5	22	5.1	5.4	6.2	20	10	3.3
21	4.1	5.5	4.9	5.9	5.0	8.9	4.9	16	5.4	52	7.0	11
22	4.1	3.6	4.7	7.0	5.2	11	4.9	7.4	5.2	6.5	6.4	9.2
23	4.1	3.0	4.4	5.8	24	7.9	4.8	5.4	5.2	5.5	7.5	73
24	4.1	3.0	4.1	5.4	38	22	30	5.0	40	4.9	9.0	55
25	3.6	3.6	5.5	21	11	9.3	63	4.7	7.8	44	5.5	16
26	3.6	3.4	4.4	7.3	7.2	7.1	19	4.7	18	7.2	3.8	14
27	3.6	2.8	4.4	5.5	6.0	6.6	8.4	4.7	5.9	6.2	3.3	6.5
28	3.6	2.8	4.1	5.1	5.5	6.9	7.5	4.4	5.4	5.7	3.2	4.9
29	3.6	2.8	4.4	6.2	---	7.0	6.9	4.4	7.8	5.2	3.2	4.8
30	3.2	2.6	4.9	6.5	---	14	6.1	34	5.2	4.6	3.3	4.6
31	4.1	---	9.2	6.6	---	7.1	---	6.2	---	4.2	3.3	---
TOTAL	178.5	120.3	300.4	307.8	248.1	358.7	303.7	301.8	415.0	412.4	190.1	277.9
MEAN	5.76	4.01	9.69	9.93	8.86	11.6	10.1	9.74	13.8	16.5	6.13	9.26
MAX	77	11	86	38	38	100	63	37	73	196	22	73
MIN	2.2	2.6	3.4	4.2	4.4	4.6	4.8	4.4	5.1	3.9	3.2	2.6
CFSM	1.21	.84	2.03	2.08	1.85	2.43	2.11	2.04	2.89	3.45	1.28	1.94
IN.	1.39	.94	2.34	2.39	1.93	2.79	2.36	2.35	3.23	3.99	1.48	2.16

CAL YR 1974 TOTAL 3080.3 MEAN 8.44 MAX 310 MIN 1.8 CFSM 1.77 IN 23.97
WTR YR 1975 TOTAL 3514.7 MEAN 9.63 MAX 196 MIN 2.2 CFSM 2.01 IN 27.35

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1330	5.59	447	6-24	1945	7.74	1,330
3-19	1815	5.84	522	7-13	0500	8.92	2,110
4-25	2000	5.36	390	7-20	2400	6.55	770
6- 1	0145	5.74	492	7-25	0100	6.02	576

01475545 Naylor Creek at West Chester Pike near Philadelphia, Pa.

LOCATION.--Lat 39°58'13", long 75°18'11", Delaware County, 200 ft (60 m) north of West Chester Pike, 0.4 mi (0.6 km) west of intersection of West Chester Pike and U.S. Highway 1 and 8 mi (13 km) west of City Hall, Philadelphia.

DRAINAGE AREA.--1.10 mi^2 (2.85 km^2).

PERIOD OF RECORD.--June 1972 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 215 ft (65.5 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 566 ft^3/s (16.0 m^3/s) July 13 (gage height, 6.50 ft or 1.981 m, from floodmark), from rating curve extended as explained below; minimum daily, 0.48 ft^3/s (0.014 m^3/s) Nov. 23, 24, 27, 28, 29, 30.

Period of record: Maximum discharge, 568 ft^3/s (16.1 m^3/s) Aug. 23, 1974 (gage height, 6.58 ft or 2.006 m), from rating curve extended above 90 ft^3/s (2.55 m^3/s) on basis of computation of peak flow through culvert and flow-over-road measurement.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WRD PA 1974: 1972(M), 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.64	.92	1.9	1.8	.97	.97	.86	1.4	33	.87	1.0	.74
2	.64	1.2	4.5	.67	.84	.97	.86	.93	1.3	.87	1.0	.75
3	.64	1.3	.57	.65	.75	.91	6.2	.86	1.1	1.6	1.0	.74
4	.56	1.3	.56	.63	.75	.75	.95	8.1	.87	1.0	2.9	.75
5	.56	1.2	.56	.56	2.3	.75	.86	1.2	11	1.0	1.2	.76
6	.56	.83	.56	1.8	2.8	.75	.86	1.9	4.6	1.0	2.5	.76
7	.56	.56	.69	3.3	1.0	.83	.86	1.3	1.1	2.8	1.0	.73
8	.56	.56	11	.66	.84	.78	.86	1.1	1.0	.94	.87	.90
9	.56	.56	.83	8.3	.62	.75	.86	1.1	.94	4.5	.87	1.1
10	.56	.56	.65	.78	.69	.88	.86	1.1	.87	1.5	.87	.98
11	.56	.60	.65	1.9	.75	.78	.86	1.1	.87	1.4	.87	.65
12	.56	3.6	.65	.77	.83	1.9	.86	2.4	14	2.0	.87	3.3
13	.65	.85	.64	4.9	.87	.78	.86	3.6	2.1	45	2.6	.68
14	.65	.74	.65	.96	.78	4.6	.86	.86	1.5	5.0	1.0	.65
15	.76	1.1	.56	.76	.75	1.3	2.4	.82	1.3	2.5	6.9	.58
16	13	.52	24	.76	1.7	.90	2.4	4.5	1.4	1.1	1.1	.56
17	.76	.57	1.3	.66	3.0	.75	2.0	.86	1.2	1.1	.95	.56
18	.76	.52	.85	7.9	1.9	.75	.88	1.1	1.1	1.1	.87	.66
19	.76	.48	.76	2.6	1.2	30	1.9	.81	1.5	1.1	.82	2.3
20	.65	.92	.76	2.2	.98	2.4	1.7	.75	1.1	14	1.3	.65
21	.65	.80	.76	.91	.86	1.2	.86	2.7	1.0	7.8	.76	1.7
22	.56	.50	.76	1.2	.86	1.7	.82	.87	1.0	1.5	.76	2.8
23	.56	.48	.76	.87	5.7	1.0	.75	.87	1.0	1.5	.76	19
24	.65	.48	.76	.87	9.5	4.0	7.6	.79	16	2.6	.76	14
25	.65	.65	1.1	4.3	1.0	1.3	16	.76	1.4	11	.76	3.3
26	.65	.50	.83	1.1	1.2	.96	2.0	.76	4.2	1.5	.76	3.1
27	.65	.48	.82	.88	1.0	.86	.97	.76	1.1	1.3	.76	1.1
28	.65	.48	.82	.87	.97	.86	.97	.76	1.1	1.3	.76	.90
29	.65	.48	.81	1.1	---	.86	.97	.76	3.7	1.3	.75	.87
30	.65	.48	.81	.76	---	2.2	.87	7.6	1.0	1.2	.76	.84
31	.86	---	1.6	.99	---	.97	---	.92	---	1.1	.75	---
TOTAL	32.13	24.22	62.47	56.41	46.13	68.41	60.58	53.34	113.35	121.68	38.83	66.41
MEAN	1.04	.81	2.02	1.82	1.65	2.21	2.02	1.72	3.78	3.93	1.25	2.21
MAX	13	3.6	24	8.3	9.5	30	16	8.1	33	45	6.9	19
MIN	.56	.48	.56	.56	.62	.75	.75	.75	.87	.87	.75	.56
CFSM	.95	.74	1.84	1.65	1.50	2.01	1.84	1.56	3.44	3.57	1.14	2.01
IN.	1.09	.82	2.11	1.91	1.56	2.31	2.05	1.80	3.83	4.11	1.31	2.24

CAL YR 1974 TOTAL 574.94 MEAN 1.58 MAX 24 MIN .18 CFSM 1.44 IN 19.43
WTR YR 1975 TOTAL 743.96 MEAN 2.04 MAX 45 MIN .48 CFSM 1.85 IN 25.14

PEAK DISCHARGE (BASE, 150 CFS)

NOTE.--No gage-height record July 7-16.
* From floodmark.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1240	1.97	207	6- 5	2035	2.19	240	7-20	2315	3.23	363
3-19	1730	2.40	269	6-24	1930	5.05	503	7-25	0015	3.01	341
4-25	1935	2.22	244	6-29	1820	1.64	154	8-15	2140	1.71	166
6- 1	0110	3.95	429	7-13	Unk.	6.50*	566	9-24	1255	1.75	172

01475550 Cobbs Creek at Darby, Pa.

LOCATION.--Lat 39°55'02", long 75°14'52", Delaware County, on right bank at Darby, 60 ft (18 m) upstream from dam, 200 ft (61 m) upstream from bridge on Woodland Avenue, and 1.1 mi (1.8 km) upstream from mouth.

DRAINAGE AREA.--22.0 mi² (57.0 km²).

PERIOD OF RECORD.--February 1964 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 11.93 ft (3.636 m) above mean sea level. Prior to Apr. 29, 1964, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--11 years, 29.3 ft³/s (0.83 m³/s), 18.09 in/yr (459 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,220 ft³/s (62.9 m³/s) July 13 (gage height, 6.63 ft or 2.021 m), from rating curve extended as explained below; minimum, 7.6 ft³/s (0.22 m³/s) Oct. 15; minimum gage height, 1.34 ft (0.408 m) Nov. 30.

Period of record: Maximum discharge, 4,490 ft³/s (127 m³/s) June 29, 1973 (gage height, 10.98 ft or 3.347 m), from rating curve extended above 850 ft³/s (24.1 m³/s) on basis of computation of peak flow through culvert; maximum gage height, 12.85 ft (3.917 m) Aug. 23, 1974, backwater from storage tank; no flow on many days in 1964-66.

REVISIONS.--The maximum discharge for the water year 1974 has been revised to 4,050 ft³/s (115 m³/s) August 23, 1974 (gage height, 12.85 ft or 3.917 m), backwater from storage tank, superseding figure published in WRD Pa. 1974.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	9.1	27	39	24	22	25	35	60	16	16	11
2	9.8	9.1	141	17	21	18	24	21	27	15	17	11
3	9.4	9.7	13	12	17	17	171	18	19	39	17	11
4	9.6	9.7	10	12	17	16	26	213	17	16	20	11
5	11	11	11	11	68	16	24	27	40	13	26	11
6	10	21	13	24	47	16	22	34	43	44	22	11
7	10	11	12	83	26	17	21	25	24	60	16	11
8	9.9	10	206	17	22	18	21	19	22	20	15	10
9	10	10	26	150	21	14	21	19	23	108	16	10
10	9.8	10	18	24	18	18	20	18	19	29	15	10
11	9.6	10	16	39	17	20	20	18	20	30	15	14
12	9.5	32	14	23	22	45	20	69	38	53	15	39
13	9.0	37	14	117	21	20	19	119	224	657	35	16
14	8.0	12	18	29	21	95	19	22	27	195	20	13
15	7.9	18	13	22	21	33	28	18	24	65	14	11
16	376	15	362	17	33	19	24	70	41	35	108	12
17	23	13	33	16	45	18	17	18	29	25	13	14
18	13	13	23	171	45	17	17	20	20	22	13	16
19	12	13	21	45	26	449	19	17	19	20	13	39
20	12	17	18	52	23	90	17	16	19	20	20	14
21	12	22	17	24	21	28	15	34	16	310	13	29
22	12	16	15	24	20	33	13	30	16	18	14	20
23	13	9.9	14	24	126	29	13	16	16	17	15	459
24	12	9.1	14	23	161	92	169	16	18	17	16	429
25	12	9.5	21	75	40	33	281	13	27	126	15	49
26	12	12	13	30	25	24	87	13	56	17	14	175
27	11	8.7	13	24	25	22	24	13	21	17	13	27
28	10	8.9	13	26	24	24	23	13	18	17	12	16
29	9.7	8.7	12	29	---	22	22	12	132	16	12	14
30	9.3	8.7	12	23	---	57	20	42	21	16	12	13
31	9.1	---	29	30	---	22	---	23	---	16	12	---
TOTAL	708.6	404.1	1182	1252	997	1364	1242	1041	1096	2069	594	1526
MEAN	22.9	13.5	38.1	40.4	35.6	44.0	41.4	33.6	36.5	66.7	19.2	50.9
MAX	376	37	362	171	161	449	281	213	224	657	108	459
MIN	7.9	8.7	10	11	17	14	13	12	16	13	12	10
CFSM	1.04	.61	1.73	1.84	1.62	2.00	1.88	1.53	1.66	3.03	.87	2.31
IN.	1.20	.68	2.00	2.12	1.69	2.31	2.10	1.76	1.85	3.50	1.00	2.58

CAL YR 1974 TOTAL 12074.9 MEAN 33.1 MAX 710 MIN 1.2 CFSM 1.50 IN 20.42
WTR YR 1975 TOTAL 13475.7 MEAN 36.9 MAX 657 MIN 7.9 CFSM 1.68 IN 22.79

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1400	4.56	1,250	7-14	1215	4.56	1,250
3-19	1845	5.08	1,490	7-21	0200	5.78	1,820
4-25	2100	4.55	1,250	9-24	1415	4.76	1,340
6-13	0530	5.16	1,530	9-26	1600	6.15	1,990
7-13	0830	6.63	2,220				

01476030 Little Crum Creek at Michigan Avenue, Swarthmore, Pa.

LOCATION.--Lat 39°53'42", long 75°20'19", Delaware County, on left bridge abutment at Michigan Avenue, Ridley Township, Swarthmore.

DRAINAGE AREA.--1.15 mi^2 (2.98 km^2).

PERIOD OF RECORD.--May 1971 to current year.

GAGE.--Water-stage recorder and concrete and rock control. Altitude of gage is 40 ft (12 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 237 ft^3/s (6.71 m^3/s) June 13 (gage height, 5.30 ft or 1.615 m), from rating curve extended as explained below; minimum, 0.04 ft^3/s (0.001 m^3/s) Sept. 9, 10 (gage height, 1.97 ft (0.600 m).

Period of record: Maximum discharge, 605 ft^3/s (17.1 m^3/s) Sept. 13, 1971 (gage height, 9.77 ft or 2.978 m, from crest-stage indicator), from rating curve extended above 50 ft^3/s (1.4 m^3/s); minimum, 0.02 ft^3/s (0.001 m^3/s) Sept. 16, 17, 1972; minimum gage height, 1.96 ft (0.597 m) Sept. 1, 1974.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	.77	1.0	1.1	.78	.77	.90	1.7	21	.32	.57	.10
2	.76	.73	3.4	.72	.76	.74	1.1	1.0	1.7	.36	.57	.12
3	.80	.73	.67	.63	.72	.71	4.2	.77	1.1	1.0	.47	.22
4	.90	.77	.59	.61	.70	.73	1.0	7.0	1.0	.52	1.3	.22
5	.60	.80	.55	.58	1.6	.73	.95	1.4	11	.45	.70	.14
6	.57	.80	.51	1.2	2.1	.72	.89	2.3	7.3	.47	1.1	.10
7	.73	.80	.52	1.8	1.0	.73	.86	1.2	1.3	.42	.57	.16
8	.90	1.0	6.0	.72	.85	.70	.82	1.0	1.1	.34	.49	.26
9	.49	.85	.90	4.9	.86	.67	.81	.90	1.0	1.9	.47	.08
10	.47	.52	.69	.83	.81	.73	.84	.85	.85	.80	.47	.06
11	.45	.47	.61	1.3	.80	.69	.88	.80	.85	.63	.45	.08
12	.45	.90	.72	.78	.85	1.3	.88	2.4	9.2	.70	.42	1.1
13	.42	.85	.70	3.8	.80	.81	.87	5.3	19	22	2.3	.30
14	.45	.77	.83	1.0	.80	3.2	.84	1.2	1.4	3.8	.60	.24
15	.47	.70	.66	.77	.81	1.5	1.1	1.0	1.0	2.7	.42	.26
16	11	.63	15	.72	1.2	1.0	.89	3.6	.80	.90	4.0	.26
17	1.1	.52	1.3	.69	2.0	.80	.87	1.1	.77	.73	.60	.26
18	.80	.42	.84	5.1	1.5	1.5	.83	1.0	.70	.67	.57	.28
19	.77	.42	.77	1.9	.94	19	.88	.80	1.2	.63	.49	.63
20	.70	.57	.73	1.9	.78	2.6	.77	.73	.80	9.8	.60	.24
21	.63	.53	.72	.92	.74	1.1	.73	1.9	.70	.85	.47	.49
22	.67	.45	.71	1.0	.72	1.1	.72	1.1	.73	.73	.45	.63
23	.67	.45	.70	.89	4.1	.98	.72	.80	.63	.70	.40	11
24	.63	.43	.69	.85	7.2	3.0	4.2	.73	.63	.70	.45	11
25	.63	.48	.76	3.0	1.7	1.3	14	.70	.52	2.0	.36	2.4
26	.63	.52	.64	1.1	.91	1.0	3.6	.73	.57	.73	.28	9.2
27	.70	.46	.66	.84	.82	.95	1.3	.70	.49	.70	.26	1.0
28	.85	.45	.66	.80	.77	.93	1.2	.63	.45	.67	.20	.60
29	.90	.45	.66	.82	---	.94	1.1	.70	.70	.67	.20	.49
30	.63	.44	.65	.75	---	1.9	1.1	20	.38	.60	.22	.47
31	.70	---	1.1	.83	---	.94	---	1.4	---	.60	.16	---
TOTAL	31.19	18.68	44.94	42.85	37.62	53.77	49.85	65.44	88.87	58.09	20.61	42.39
MEAN	1.01	.62	1.45	1.38	1.34	1.73	1.66	2.11	2.96	1.87	.66	1.41
MAX	11	1.0	15	5.1	7.2	19	14	20	21	22	4.0	11
MIN	.42	.42	.51	.58	.70	.67	.72	.63	.38	.32	.16	.06
CFSM	.88	.54	1.26	1.20	1.17	1.50	1.44	1.83	2.57	1.63	.57	1.23
IN.	1.01	.60	1.45	1.38	1.22	1.74	1.61	2.12	2.87	1.88	.67	1.37

CAL YR 1974 TOTAL 550.26 MEAN 1.51 MAX 37 MIN .12 CFSM 1.31 IN 17.78
WTR YR 1975 TOTAL 554.30 MEAN 1.52 MAX 22 MIN .06 CFSM 1.32 IN 17.91

PEAK DISCHARGE (BASE, 100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-19	1745	4.37	127	6-13	0505	5.30	237
5-30	1055	4.71	165	7-13	0440	4.62	154
6- 1	0335	4.33	123	7-20	0140	4.23	113
6- 5	2040	4.18	108	9-26	1500	4.30	120

01477000 Chester Creek near Chester, Pa.

LOCATION.--Lat 39°52'08", long 75°24'31", Delaware County, on right bank 30 ft (9 m) downstream from Dutton Mill Bridge and 3 mi (5 km) northwest of Chester.

DRAINAGE AREA.--61.1 mi^2 (158.2 km^2).

PERIOD OF RECORD.--August 1931 to current year. Monthly discharges only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 23.41 ft (7.135 m) above mean sea level (Penn Central Railroad benchmark). Prior to June 27, 1966 water-stage recorder at site 50 ft (15 m) upstream and June 28, 1966 to Oct. 4, 1967, nonrecording gage 150 ft (46 m) upstream, all at same datum.

AVERAGE DISCHARGE.--44 years, 83.0 ft^3/s (2.35 m^3/s), 18.45 in/yr (469 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,340 ft^3/s (94.6 m^3/s) July 21 (gage height, 9.76 ft or 2.975 m); minimum, 28 ft^3/s (0.79 m^3/s) Oct. 11 (gage height, 3.01 ft or 0.917 m).
Period of record: Maximum discharge, 21,000 ft^3/s (595 m^3/s) Sept. 13, 1971 (gage height, 24.59 ft or 7.495 m, from floodmark), from rating curve extended above 2,400 ft^3/s (68.0 m^3/s) on basis of contracted-opening measurement at 13.57 ft (4.136 m) and slope-area measurement of peak flow; minimum, 0.3 ft^3/s (0.008 m^3/s) Aug. 7, 1934 (gage height, 0.28 ft or 0.085 m); minimum daily, 6.5 ft^3/s (0.18 m^3/s) Sept. 25, 1941.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WRD Penna. 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	48	43	99	89	103	105	112	105	81	91	51
2	37	43	123	83	85	99	100	116	108	74	91	53
3	35	50	63	67	83	95	200	101	103	79	89	53
4	34	44	47	65	79	91	120	282	91	93	91	47
5	34	44	45	60	91	91	105	176	105	77	172	45
6	34	45	42	58	136	91	100	133	110	97	110	47
7	32	43	41	141	128	91	98	157	112	95	101	48
8	32	39	866	79	101	93	98	114	108	83	87	44
9	32	38	153	451	91	83	96	103	99	193	81	42
10	31	38	89	112	83	85	94	99	93	114	75	40
11	31	38	70	121	83	95	94	93	89	89	77	40
12	31	48	63	97	89	105	94	95	600	87	74	42
13	34	96	58	193	85	114	92	230	790	1450	77	56
14	31	47	58	141	79	157	90	136	161	974	89	47
15	34	45	53	91	77	176	100	103	123	396	74	42
16	308	42	846	83	87	110	120	204	114	252	128	41
17	109	40	235	77	121	101	95	119	114	139	91	41
18	62	40	108	219	235	93	88	103	108	116	79	40
19	52	40	85	184	149	1040	93	99	105	105	72	56
20	47	43	75	235	112	986	91	93	123	105	72	55
21	44	52	72	114	99	193	85	93	101	1400	67	103
22	44	44	68	101	91	149	81	97	99	180	65	68
23	43	40	65	97	224	136	81	87	97	131	61	502
24	41	40	65	97	421	198	114	85	97	119	61	870
25	41	42	65	172	370	264	578	81	128	709	65	497
26	40	50	63	161	139	130	695	81	103	131	61	193
27	40	42	60	103	116	115	136	81	101	108	58	141
28	38	41	60	95	108	110	112	77	108	101	55	91
29	38	40	58	95	---	110	108	72	128	99	53	79
30	39	39	58	93	---	180	99	87	119	93	55	72
31	44	---	61	89	---	120	---	93	---	91	55	---
TOTAL	1532	1341	3858	3873	3651	5604	4162	3602	4442	7861	2477	3546
MEAN	49.4	44.7	124	125	130	181	139	116	148	254	79.9	118
MAX	308	96	866	451	421	1040	695	282	790	1450	172	870
MIN	31	38	41	58	77	83	81	72	89	74	53	40
CFSM	.81	.73	2.03	2.05	2.13	2.96	2.27	1.90	2.42	4.16	1.31	1.93
IN.	.93	.82	2.35	2.36	2.22	3.41	2.53	2.19	2.70	4.79	1.51	2.16

CAL YR 1974 TOTAL 33381 MEAN 91.2 MAX 935 MIN 31 CFSM 1.49 IN 20.27
WTR YR 1975 TOTAL 45949 MEAN 126 MAX 1450 MIN 31 CFSM 2.06 IN 27.98

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1030	6.42	1,470	6-13	0700	6.62	1,560
12-16	1400	6.57	1,540	7-13	0545	7.79	2,160
3-20	0015	8.93	2,830	7-21	0215	9.76	3,340
4-25	2345	6.80	1,650	7-25	0245	7.92	2,230

01480000 Red Clay Creek at Wooddale, Del.

LOCATION.--Lat 39°45'52", long 75°38'08", New Castle County, on right bank 12 ft (4 m) upstream from bridge on State Highway 48, 0.3 mi (0.5 km) south of Wooddale, 2.3 mi (3.7 km) north of Marshallton, and 4.9 mi (7.9 km) upstream from mouth.

DRAINAGE AREA.--47.0 mi^2 (121.7 km^2).

PERIOD OF RECORD.--April 1943 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 81.46 ft (24.829 m) above mean sea level. Prior to Sept. 21, 1950, nonrecording gage at site 10 ft (3 m) downstream at same datum.

AVERAGE DISCHARGE.--32 years, 64.4 ft^3/s (1.824 m^3/s), 18.61 in/yr (473 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,010 ft^3/s (142 m^3/s) July 21 (gage height, 10.32 ft or 3.146 m); minimum, 6.8 ft^3/s (0.193 m^3/s) Oct. 1, result of regulation; minimum daily, 27 ft^3/s (0.765 m^3/s) Oct. 8, 10, 11, 12, 13, 14.
Period of record: Maximum discharge, 5,010 ft^3/s (142 m^3/s) July 21, 1975 (gage height, 10.32 ft or 3.146 m); minimum, 2.9 ft^3/s (0.082 m^3/s) Sept. 4, 1966; minimum daily, 4.5 ft^3/s (0.127 m^3/s) Sept. 4, 1966.

REMARKS.--Records good. Some diurnal fluctuation at low flow caused by mills above station. Records of water quality for the current year are published in the Maryland-Delaware Annual Report.

REVISIONS (WATER YEARS).--WSP 1141: 1948. WSP 1272: 1951(m). WSP 1432: 1944(M), 1945, 1946(M), 1948, 1949(M). WRD Md. and Del. 1969: 1960(M), 1964(M), 1966-67(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	33	34	74	68	79	86	102	639	64	96	56
2	33	32	254	63	65	75	82	98	125	60	93	56
3	31	39	66	52	62	72	105	82	80	108	90	54
4	30	34	48	52	61	69	83	191	70	90	89	51
5	30	35	42	47	86	68	79	125	185	63	155	51
6	28	35	40	46	103	70	77	110	511	70	111	50
7	28	33	39	107	98	70	75	132	115	64	107	51
8	27	32	464	59	75	73	74	91	88	60	90	50
9	28	32	107	247	70	62	72	84	79	71	83	47
10	27	31	64	83	63	64	72	80	74	66	80	44
11	27	30	55	79	63	71	72	74	72	66	82	45
12	27	47	52	68	70	84	71	74	376	62	76	51
13	27	79	49	138	64	87	68	135	371	1060	76	64
14	27	40	52	97	59	128	68	109	122	1630	104	45
15	28	39	48	66	58	131	75	83	100	1080	75	44
16	259	36	470	63	68	87	82	142	91	632	126	44
17	89	34	138	59	94	78	71	91	93	198	92	46
18	50	34	78	169	155	69	69	83	83	141	82	45
19	42	34	66	133	105	731	73	80	96	123	73	79
20	39	35	62	160	83	421	70	75	129	117	73	56
21	37	44	59	87	75	131	64	87	76	1390	65	57
22	37	36	56	79	71	110	62	110	71	183	68	54
23	37	34	53	77	157	101	62	76	69	147	64	330
24	36	34	53	78	215	139	74	65	68	134	67	560
25	36	34	54	135	199	163	286	62	69	260	65	216
26	34	37	50	118	103	102	352	62	68	141	62	158
27	33	32	49	78	89	91	108	60	71	126	58	95
28	33	33	49	73	82	88	91	56	86	120	55	69
29	33	33	46	72	---	88	85	54	74	111	54	60
30	33	32	49	66	---	131	80	60	87	104	55	57
31	33	---	45	70	---	95	---	66	---	99	57	---
TOTAL	1294	1093	2791	2795	2561	3828	2788	2799	4238	8640	2523	2692
MEAN	41.7	36.4	90.0	90.2	91.5	123	92.9	90.3	141	279	81.4	89.7
MAX	259	79	470	247	215	731	352	191	639	1630	155	560
MIN	27	30	34	46	58	62	62	54	68	60	54	44
CFSM	.89	.77	1.91	1.92	1.95	2.62	1.98	1.92	3.00	5.94	1.73	1.91
IN.	1.02	.87	2.21	2.21	2.03	3.03	2.21	2.22	3.35	6.84	2.00	2.13

CAL YR 1974 TOTAL 22912 MEAN 62.8 MAX 470 MIN 23 CFSM 1.34 IN 18.13
WTR YR 1975 TOTAL 38042 MEAN 104 MAX 1630 MIN 27 CFSM 2.21 IN 30.11

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1315	4.92	1,240	6- 1	0500	5.26	1,480
12-16	1545	5.37	1,560	6- 6	0145	5.29	1,500
3-19	2245	6.41	2,290	7-14	0715	9.23	4,310
4-25	2345	4.99	1,290	7-21	0500	10.32	5,010

01480300 West Branch Brandywine Creek near Honey Brook, Pa.

LOCATION.--Lat 40°04'22", long 75°51'40", Chester County, at right upstream end of bridge on Legislative Route 15185, at Birdell, 0.4 mi (0.6 km) downstream from Two Log Run, and 3.0 mi (4.8 km) southeast of Honey Brook.

DRAINAGE AREA.--18.7 sq mi (48.4 sq km).

PERIOD OF RECORD.--June 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 591.20 ft (180.198 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 23.8 ft^3/s (0.674 m^3/s), 17.28 in/yr (439 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,480 ft^3/s (70.2 m^3/s) July 14 (gage height, 9.18 ft or 2.798 m), from peak-stage indicator; minimum, 8.2 ft^3/s (0.23 m^3/s) Nov. 27 (gage height, 1.23 ft or 0.375 m).
Period of record: Maximum discharge, 8,140 ft^3/s (231 m^3/s) June 22, 1972 (gage height, 11.41 ft or 3.478 m), from rating curve extended above 1,900 ft^3/s (53.8 m^3/s) on basis of slope-area measurement of peak flow; minimum, 1.7 ft^3/s (0.048 m^3/s) Aug. 15, 16, 17, 18, 19, 1963 (gage height, 1.09 ft or 0.332 m).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WRD Penna 1973: 1972(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	10	9.8	38	26	26	26	50	200	26	18	13
2	9.8	10	59	27	25	25	24	39	31	23	18	13
3	9.0	11	19	18	24	23	39	29	28	32	18	13
4	9.0	11	13	19	23	21	27	106	23	30	18	12
5	9.0	10	11	18	25	22	23	44	86	22	22	12
6	9.0	10	11	16	32	23	23	35	137	21	26	12
7	8.6	9.4	11	28	37	23	22	41	34	20	23	12
8	8.6	9.4	260	24	26	24	21	29	27	19	19	12
9	9.0	9.0	38	108	24	19	21	26	24	20	18	11
10	8.6	9.0	21	29	22	20	20	25	22	20	17	10
11	8.6	9.0	17	30	22	23	20	24	22	19	17	11
12	8.6	11	18	24	23	32	20	26	194	18	16	17
13	9.0	18	17	39	22	34	19	50	214	150	16	20
14	9.0	11	18	29	22	27	18	31	36	800	20	12
15	9.4	11	16	21	23	35	21	24	29	93	16	12
16	52	11	236	20	23	42	24	53	33	67	28	11
17	24	10	67	18	31	35	20	30	31	33	19	12
18	13	9.8	26	41	77	27	19	25	26	28	17	12
19	11	9.8	21	77	71	90	20	24	26	26	15	20
20	10	9.8	20	103	38	209	19	22	31	25	15	18
21	9.8	13	19	31	32	43	17	22	22	59	15	50
22	9.4	12	18	25	29	36	16	54	21	26	15	29
23	9.4	11	17	24	81	35	16	25	20	24	14	131
24	9.4	10	17	27	200	63	33	22	28	24	14	396
25	9.8	10	17	133	100	63	200	20	32	24	14	168
26	11	11	16	73	35	30	300	20	56	22	14	119
27	9.8	9.4	15	31	29	26	37	20	82	21	14	49
28	9.4	9.8	16	28	27	25	30	18	228	21	13	28
29	9.4	9.4	15	35	---	27	28	17	150	20	13	25
30	9.4	9.0	15	29	---	59	27	34	33	19	13	23
31	9.8	---	16	27	---	30	---	31	---	18	13	---
TOTAL	351.8	313.8	1089.8	1190	1149	1217	1150	1016	1926	1770	528	1283
MEAN	11.3	10.5	35.2	38.4	41.0	39.3	38.3	32.8	64.2	57.1	17.0	42.8
MAX	52	18	260	133	200	209	300	106	228	800	28	396
MIN	8.6	9.0	9.8	16	22	19	16	17	20	18	13	10
CFSM	.60	.56	1.88	2.05	2.19	2.10	2.05	1.75	3.43	3.05	.91	2.29
IN.	.70	.62	2.17	2.37	2.29	2.42	2.29	2.02	3.83	3.52	1.05	2.55

CAL YR 1974 TOTAL 8604.4 MEAN 23.6 MAX 260 MIN 5.8 CFSM 1.26 IN 17.12
WTR YR 1975 TOTAL 12984.4 MEAN 35.6 MAX 800 MIN 8.6 CFSM 1.90 IN 25.83

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	Unk.	5.77	521	6-28	2400	6.28	674
12-16	1730	6.17	641	7-14	Unk.	9.18	2,480
4-26	Unk.	6.99	896				

01480500 West Branch Brandywine Creek at Coatesville, Pa.

LOCATION.--Lat 39°59'08", long 75°49'40", Chester County, on right bank at city limits of Coatesville, 1,200 ft (366 m) upstream from bridge on old Lincoln Highway, and 0.6 mi (1.0 km) downstream from Rock Run.

DRAINAGE AREA.--45.8 mi^2 (118.6 km^2).

PERIOD OF PERIOD.--October 1943 to December 1951, January 1970 to current year.

GAGE.--Water-stage recorder and V-notch sharp crested weir. Altitude of gage is 305 ft (93.0 m) from topographic map. Sept. 10, 1943 to Dec. 31, 1951, nonrecording gage at site 1,100 ft (335 m) downstream at different datum.

AVERAGE DISCHARGE.--13 years (1943-51, 1970-75), 73.3 ft^3/s (2.08 m^3/s), 21.73 in/yr (552 mm/yr), adjusted for storage and diversion.

EXTREMES.--Current year: Maximum discharge, 2,370 ft^3/s (67.1 m^3/s) July 14 (gage height, 7.02 ft or 2.140 m); minimum, 13 ft^3/s (0.37 m^3/s) Oct. 6 (gage height, 3.53 ft or 1.076 m).
Period of record: Maximum discharge, 8,100 ft^3/s (229 m^3/s) June 29, 1973 (gage height, 10.08 ft or 3.072 m), from rating curve extended above 2,200 ft^3/s (62.3 m^3/s) on basis of slope-area measurement at gage height 9.92 ft (3.024 m); minimum observed, 4.6 ft^3/s (0.13 m^3/s) Sept. 10, 1944 (gage height, 0.70 ft or 0.213 m, site and datum then in use); minimum daily, 9.6 ft^3/s (0.27 m^3/s) Sept. 12, 1949.
Flood of Aug. 9, 1942 reached a stage of 12.3 ft (3.75 m), site and datum then in use (discharge, 8,600 ft^3/s or 244 m^3/s, by slope-area measurement).

REMARKS.--Records good. Diversion above station from Rock Run Reservoir (capacity, 320 mil gal or 1.211 hm^3), 2.6 mi (4.2 km) upstream, for municipal supply of city of Coatesville.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	23	25	70	58	73	80	118	383	69	55	36
2	24	24	107	69	56	70	74	109	95	61	51	37
3	20	27	53	45	53	66	115	81	96	65	51	35
4	19	26	37	44	51	60	89	200	68	82	51	32
5	19	25	31	43	57	62	71	129	169	62	65	31
6	17	25	29	40	67	63	70	97	260	58	57	33
7	17	22	28	77	82	64	70	110	98	57	65	34
8	17	22	415	62	68	65	67	81	74	55	51	32
9	16	21	136	199	57	54	65	74	67	59	46	31
10	16	21	57	80	53	57	64	69	62	61	45	27
11	16	21	45	74	49	62	63	67	60	60	45	26
12	16	26	44	62	52	86	63	70	312	55	44	44
13	15	51	42	89	50	95	60	144	440	431	45	51
14	16	31	42	83	47	80	59	82	112	1300	55	34
15	16	31	41	55	47	100	65	68	86	295	43	30
16	81	31	288	51	49	114	76	162	98	190	72	31
17	69	25	214	47	64	91	63	90	96	117	55	31
18	35	24	70	89	146	71	61	73	76	101	46	31
19	28	24	54	146	155	574	64	69	75	93	44	50
20	26	28	49	214	96	689	62	63	85	91	45	45
21	24	39	46	79	71	139	56	75	63	140	41	114
22	23	33	45	68	63	111	54	149	58	86	40	57
23	23	26	43	63	159	108	53	73	56	75	40	303
24	23	25	43	65	321	138	99	63	55	77	39	477
25	23	26	42	157	297	167	366	58	69	152	43	305
26	24	31	41	177	104	98	450	58	115	76	40	197
27	23	26	39	74	83	83	109	57	143	69	38	136
28	22	25	39	64	75	80	87	51	311	65	36	68
29	22	24	38	69	---	82	79	48	249	61	34	58
30	22	24	39	64	---	134	73	63	87	59	34	54
31	22	---	38	59	---	95	---	89	---	57	35	---
TOTAL	761	887	2260	2578	2538	3831	2827	2740	4018	4279	1451	2470
MEAN	24.5	26.9	72.9	83.2	90.4	124	94.2	88.4	134	138	46.8	82.3
MAX	81	51	415	214	321	689	450	200	440	1300	72	477
MIN	15	21	25	40	47	54	53	48	55	55	34	26
(/)	3.62	3.85	3.63	3.75	4.14	3.39	3.87	3.63	3.88	3.63	3.72	4.04
MEAN#	28.1	30.8	76.5	87.0	94.5	127	98.1	92.0	138	142	50.5	86.3
CFSM#	.61	.67	1.67	1.90	2.06	2.77	2.14	2.01	3.01	3.10	1.10	1.88
IN.#	.70	.75	1.92	2.19	2.14	3.19	2.39	2.32	3.36	3.57	1.27	2.10

CAL YR 1974 TOTAL 20986 MEAN 57.5 MAX 415 MIN 15 MEAN# 61.2 CFSM# 1.34 IN.# 18.15
WTR YR 1975 TOTAL 30552 MEAN 83.7 MAX 1300 MIN 15 MEAN# 87.5 CFSM# 1.91 IN.# 25.90

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	1215	5.65	795	6- 1	0545	5.68	816
3-19	1745	6.61	1,770	6-13	0600	5.86	958
4-25	2215	5.82	926	7-14	1000	7.02	2,370

/ Diversion for municipal supply and change in contents in Rock Run Reservoir, equivalent in cubic feet per second, furnished by city of Coatesville.
Adjusted for diversion and change in reservoir contents.

01480617 West Branch Brandywine Creek at Modena, Pa.

LOCATION.--Lat 39°57'42", long 75°48'06", Chester County, on left bank at bridge on Legislative Route 15068 at Modena and 300 ft (91 m) upstream from Dennis Run.

DRAINAGE AREA.--55.0 mi^2 (142.4 km^2).

PERIOD OF RECORD.--January 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 265 ft (80.8 m) from topographic map.

AVERAGE DISCHARGE.--5 years, 107 ft^3/s (3.03 m^3/s), 26.42 in/yr (671 mm/yr), adjusted for storage.

EXTREMES.--Current year: Maximum discharge, about 3,200 ft^3/s (90.6 m^3/s) July 14; minimum, 4.6 ft^3/s (0.13 m^3/s) Nov. 12 (gage height, 2.48 ft or 0.756 m).

Period of record: Maximum discharge, 9,600 ft^3/s (272 m^3/s) June 29, 1973 (gage height, 12.47 ft or 3.801 m), from rating curve extended above 920 ft^3/s (26.1 m^3/s) on basis of slope-area measurement at gage height, 11.48 ft (3.499 m); minimum (revised), 1.8 ft^3/s (0.051 m^3/s) Aug. 29, 1974; minimum gage height, 2.27 ft (0.692 m) Oct. 14, 1970.

REVISIONS.--The minimum discharge for the water year 1974 has been revised to 1.8 ft^3/s (0.051 m^3/s) Aug. 29 (gage height, 2.37 ft or 0.722 m) superseding figure published in WRD Penna. 1974.

REMARKS.--Records good. Flow regulated by Rock Run Reservoir (capacity, 320 mil gal or 1.211 hm^3) 5.6 mi (9.0 km) upstream. Records of water quality are published on p.311.

REVISIONS (WATER YEARS).--WRD Penna. 1974: 1971-72(P), 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	33	44	103	95	111	105	162	579	94	68	48
2	33	36	292	105	90	104	95	145	146	83	66	51
3	30	39	74	72	86	98	153	108	144	91	63	42
4	30	36	50	68	82	90	120	273	93	109	74	44
5	30	39	43	66	97	88	90	177	282	81	86	48
6	29	33	40	66	111	90	89	136	396	76	68	46
7	29	39	38	124	106	91	85	149	139	74	82	48
8	28	38	560	95	81	91	83	112	104	69	65	45
9	28	37	230	296	76	77	78	102	95	77	61	44
10	28	37	100	123	72	82	78	97	88	88	58	41
11	27	37	60	112	68	87	76	95	84	83	60	42
12	28	52	64	90	71	117	76	99	462	78	58	90
13	27	65	61	141	68	131	73	201	717	500	65	65
14	28	45	61	129	65	121	70	109	163	1900	76	45
15	29	44	57	79	65	140	82	92	121	500	60	42
16	108	46	431	74	67	157	86	231	139	280	101	41
17	90	42	312	69	90	125	75	122	137	175	74	41
18	41	40	108	154	200	104	71	97	105	140	63	42
19	36	38	87	211	210	864	76	94	102	125	58	65
20	34	43	80	316	109	989	71	87	117	120	57	54
21	34	50	75	128	73	204	65	111	88	200	54	142
22	35	46	73	112	64	159	65	229	82	106	52	74
23	31	40	68	105	196	146	64	102	79	90	49	276
24	33	40	67	107	472	189	131	87	75	90	52	639
25	33	42	67	230	405	228	538	81	89	202	57	513
26	34	46	64	265	158	131	621	80	151	92	52	491
27	33	38	62	118	129	108	149	80	204	82	49	260
28	31	39	61	104	115	105	119	70	496	80	48	90
29	33	39	60	112	---	108	109	68	358	76	45	74
30	30	38	60	103	---	101	99	85	120	70	46	70
31	31	---	66	97	---	124	---	124	---	70	46	---
TOTAL	1111	1237	3515	3974	3521	5440	3692	3805	5955	5901	1913	3523
MEAN	35.8	41.2	113	128	126	175	123	123	199	190	61.7	117
MAX	108	65	560	316	472	989	621	273	717	1900	101	639
MIN	27	33	38	66	64	77	64	68	75	69	45	41
(/)	-.11	+.10	-.12	0	+.40	-.36	+.12	-.12	+.12	-.09	-.03	+.14
MEAN#	35.7	41.3	113	128	126	175	123	123	199	190	61.7	117
CFSM#	.65	.75	2.05	2.33	2.29	3.18	2.[illegible]4	2.24	3.62	3.45	1.12	2.13
IN.#	.75	.84	2.36	2.69	2.38	3.67	2.50	2.58	4.04	3.98	1.29	2.38

CAL YR 1974 TOTAL 28185 MEAN 77.2 MAX 560 MIN 21 MEAN# 77.2 CFSM# 1.40 IN.# 19.01
WTR YR 1975 TOTAL 43587 MEAN 119 MAX 1900 MIN 27 MEAN# 119 CFSM# 2.16 IN.# 29.46

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1515	5.05	870	6- 5	2000	5.35	1,050
3-19	1800	7.22	2,560	6-28	1715	5.36	1,050
4-25	2245	5.85	1,390	7-14	Unk.	Unk.	*3,200
6- 1	0700	5.58	1,200	9-24	1515	5.07	865

NOTE.--No gage-height record July 10-21.

/ Change in contents in Rock Run Reservoir, equivalent in cubic feet per second, furnished by city of Coatesville.

Adjusted for change in reservoir contents.

* About.

01480675 Marsh Creek near Glenmoore, Pa.

LOCATION.--Lat 40°05'52", long 75°44'31", Chester County, on left bank 200 ft (60 m) north of Pennsylvania Turnpike, 1.2 mi (1.9 km) downstream from Lyons Run, 1.8 mi (2.9 km) upstream from Black Horse Creek, and 3 mi (5 km) northeast of Glenmoore.

DRAINAGE AREA.--8.57 mi^2 (22.20 km^2).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 450 ft (137 m), from topographic map.

AVERAGE DISCHARGE.--9 years, 12.7 ft^3/s (0.360 m^3/s), 20.12 in/yr (511 mm/yr).

EXTREMES.--Current year: Maximum discharge, 277 ft^3/s (7.84 m^3/s) Mar. 20 (gage height, 2.84 ft or 0.866 m); minimum, 1.5 ft^3/s (0.042 m^3/s) Dec. 5 (gage height, 1.22 ft or 0.372 m).
Period of record: Maximum discharge, 946 ft^3/s (26.8 m^3/s) June 22, 1972 (gage height, 4.68 ft or 1.426 m); minimum, 0.3 ft^3/s (0.008 m^3/s) Aug. 31, 1966 (gage height, 0.98 ft or 0.299 m).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WRD Penna. 1974: 1967(M), 1971-72(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.7	3.2	12	12	15	17	22	64	9.8	6.6	3.9
2	3.0	3.7	14	17	11	14	16	26	31	7.8	6.4	4.0
3	2.6	3.7	14	9.7	10	13	23	19	15	8.2	6.1	3.9
4	2.4	3.7	6.0	7.7	9.0	12	23	33	12	9.7	6.4	3.7
5	2.4	3.8	4.0	7.9	9.5	12	15	37	19	8.2	8.5	3.4
6	2.3	4.0	3.6	6.2	14	12	15	22	32	7.0	8.4	3.5
7	2.3	3.7	3.2	17	17	13	14	23	19	7.1	8.9	3.5
8	2.2	3.4	76	17	13	14	13	18	12	6.4	8.2	3.4
9	2.2	3.3	75	34	10	10	13	15	9.9	8.4	6.3	3.3
10	2.2	3.2	16	29	8.4	10	13	14	9.1	9.7	5.6	3.0
11	2.1	3.3	8.3	17	8.3	12	13	14	8.8	8.2	5.5	3.0
12	2.1	4.8	7.3	16	8.4	19	12	15	30	7.1	5.3	6.0
13	2.3	11	7.2	18	9.5	24	12	30	73	36	5.0	9.2
14	2.3	7.3	7.1	20	9.1	17	11	20	32	148	5.1	6.0
15	2.4	4.9	6.4	11	8.7	20	13	14	14	95	4.7	3.8
16	14	4.2	33	8.7	9.7	25	17	30	23	39	10	3.4
17	24	3.8	64	7.7	13	23	14	22	21	21	13	3.4
18	11	3.7	19	14	28	18	12	15	14	14	9.2	3.4
19	5.5	3.6	10	32	39	63	13	13	12	12	6.4	7.8
20	4.0	4.2	8.4	42	26	164	12	12	12	12	6.0	8.5
21	3.7	6.0	7.9	22	17	42	11	15	9.5	28	5.8	21
22	3.5	5.6	7.5	14	14	26	9.6	14	8.5	20	5.1	24
23	3.5	3.8	6.4	13	24	25	9.5	29	8.0	12	4.7	48
24	3.5	3.5	6.6	13	61	28	24	16	8.0	11	4.5	82
25	3.5	3.8	6.9	27	83	39	73	11	8.0	13	4.5	78
26	4.2	4.9	6.2	46	27	23	96	10	11	11	4.5	39
27	3.9	3.4	5.6	19	18	18	28	9.9	14	9.5	4.2	22
28	3.5	3.2	5.7	14	16	17	18	8.7	26	9.2	3.8	12
29	3.4	3.2	5.3	16	---	18	17	7.7	26	8.1	3.7	8.4
30	3.5	3.0	5.7	17	---	20	16	12	16	7.6	3.7	6.8
31	3.7	---	5.5	13	---	24	---	18	---	7.2	3.9	---
TOTAL	135.2	127.4	455.0	557.9	533.6	798	593.1	565.3	597.8	611.2	190.0	431.3
MEAN	4.36	4.25	14.7	18.0	19.1	25.7	19.8	18.2	19.9	19.7	6.13	14.4
MAX	24	11	76	46	83	164	96	37	73	148	13	82
MIN	2.1	3.0	3.2	6.2	8.3	10	9.5	7.7	8.0	6.4	3.7	3.0
CFSM	.51	.50	1.72	2.10	2.23	3.00	2.31	2.12	2.32	2.30	.72	1.68
IN.	.59	.55	1.97	2.42	2.32	3.46	2.57	2.45	2.59	2.65	.82	1.87

CAL YR 1974 TOTAL 3967.9 MEAN 10.9 MAX 85 MIN 2.0 CFSM 1.27 IN 17.22
WTR YR 1975 TOTAL 5595.8 MEAN 15.3 MAX 164 MIN 2.1 CFSM 1.79 IN 24.29

PEAK DISCHARGE (BASE, 130 CFS).--March 20 (0300) 277 cfs (2.84 ft); July 14 (1030) 208 cfs (2.61 ft).

01480685 Marsh Creek near Downingtown, Pa.

LOCATION.--Lat 40°03'19", long 75°43'00", Chester County, on left bank 1,000 ft (305 m) downstream from Marsh Creek Dam, 0.2 mi (0.3 km) upstream from mouth and 3.0 mi (4.8 km) north of Downingtown.

DRAINAGE AREA.--20.3 mi^2 (52.6 km^2).

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 280 ft (85 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 164 ft^3/s (4.64 m^3/s) July 15 (gage height, 2.83 ft or 0.863 m); minimum daily, 3.7 ft^3/s (0.10 m^3/s) Apr. 5.
Period of record: Maximum discharge, 258 ft^3/s (7.31 m^3/s) June 30, 1973 (gage height, 3.11 ft or 0.948 m), from rating curve extended above 140 ft^3/s (4.0 m^3/s); minimum daily, 0.31 ft^3/s (0.009 m^3/s) Dec. 22, 23, 1973.

REMARKS.--Records good. Flow completely regulated since November 1973 by Marsh Creek Reservoir 1,000 ft (305 m) upstream (see p. 130).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	9.7	9.9	27	40	68	86	72	43	56	24	10
2	18	9.7	14	30	38	62	83	73	60	50	17	11
3	15	9.7	16	35	36	56	86	70	70	46	11	11
4	14	9.7	16	34	32	51	12	69	67	45	18	11
5	12	9.8	14	32	34	47	3.7	71	63	40	26	11
6	11	9.7	14	30	34	45	7.5	69	65	37	25	11
7	10	9.3	13	35	35	44	9.4	67	57	34	24	11
8	9.7	8.8	53	42	34	43	15	55	49	32	23	11
9	8.9	8.3	83	50	32	39	34	48	45	31	22	11
10	8.4	7.9	76	46	29	37	43	46	42	26	21	10
11	7.9	7.8	65	47	28	36	42	45	40	17	21	9.9
12	7.8	9.0	56	46	28	39	41	44	50	17	20	11
13	7.8	13	48	47	28	45	39	55	79	26	20	14
14	7.7	13	43	49	27	48	30	56	84	123	20	13
15	7.7	13	37	45	25	54	29	39	76	160	19	12
16	15	13	49	41	25	61	38	47	70	145	24	12
17	22	12	66	37	26	76	40	57	68	125	26	12
18	22	11	66	38	33	83	37	55	63	109	25	12
19	20	11	57	47	42	78	35	41	59	96	24	14
20	18	11	49	59	46	97	35	29	56	82	23	15
21	16	12	43	57	45	101	32	38	51	76	22	23
22	14	12	38	54	42	99	28	45	46	94	21	26
23	13	12	34	50	45	94	19	45	42	101	20	58
24	12	11	30	46	63	116	28	45	41	91	19	82
25	12	11	28	49	92	130	57	43	42	86	14	100
26	11	11	26	57	92	123	88	35	42	80	11	98
27	11	11	25	56	84	115	88	17	42	50	11	91
28	10	10	25	51	76	112	80	16	52	27	11	78
29	10	10	25	49	---	103	72	16	65	26	11	65
30	10	9.6	24	46	---	95	66	14	62	25	11	56
31	10	---	24	43	---	92	---	16	---	25	10	---
TOTAL	392.9	316.0	1166.9	1375	1191	2289	1303.6	1438	1691	1978	594	901.9
MEAN	12.7	10.5	37.6	44.4	42.5	73.8	43.5	46.4	56.4	63.8	19.2	30.1
MAX	22	13	83	59	92	130	88	73	84	160	26	100
MIN	7.7	7.8	9.9	27	25	36	3.7	14	40	17	10	9.9
MEAN#	10.4	10.5	41.7	47.3	46.5	64.4	45.3	40.7	62.4	58.6	19.4	40.2
CFSM#	.51	.52	2.05	2.33	2.29	3.17	2.23	2.00	3.07	2.89	.96	1.98
IN.#	.59	.59	2.36	2.69	2.38	3.66	2.49	2.31	3.42	3.33	1.11	2.21

CAL YR 1974 TOTAL 5417.66 MEAN 14.8 MAX 83 MIN .44 MEAN# 28.8 CFSM# 1.42 IN.# 19.08
WTR YR 1975 TOTAL 14637.30 MEAN 40.1 MAX 160 MIN 3.7 MEAN# 40.6 CFSM# 2.00 IN.# 27.14

NOTE.--Doubtful gage-height record Feb. 20 to Apr. 7.
Adjusted for change in reservoir contents.

01480700 East Branch Brandywine Creek near Downingtown, Pa.

LOCATION.--Lat 40°02'05", long 75°42'32", Chester County, on right bank 20 ft (6 m) downstream from bridge on Dowlin Forge Road, 200 ft (60 m) east of State Highway 282, 0.4 mi (0.6 km) downstream from Shamona Creek, 1.5 mi (2.4 km) downstream from Marsh Creek, 2.0 mi (3.2 km) upstream from Beaver Creek, and 2.2 mi (3.5 km) north of Downingtown.

DRAINAGE AREA.--60.6 mi^2 (157.0 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1948-57, October 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 270 ft or 82 m (from topographic map). Prior to July 30, 1966, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--10 years, 90.4 ft^3/s (2,560 m^3/s), 20.26 in/yr (515 mm/yr), adjusted for storage since November 1973.

EXTREMES.--Current year: Maximum discharge, 2,540 ft^3/s (71.9 m^3/s) Mar. 19 (gage height, 6.66 ft or 2.030 m); minimum, 26 ft^3/s (0.74 m^3/s) Oct. 13, 14 (gage height, 2.32 ft or 0.707 m).
Period of record: Maximum discharge, 8,070 ft^3/s (229 m^3/s) June 22, 1972 (gage height, 12.06 ft or 3.676 m, from floodmark), from rating curve extended above 5,000 ft^3/s (140 m^3/s); minimum, 7.2 ft^3/s (0.20 m^3/s) Sept. 2, 3, 11, 12, 13, 1966 (gage height, 1.80 ft or 0.549 m).

REMARKS.--Records good. Flow regulated by Marsh Creek Reservoir 1.9 mi (3.1 km) upstream (see p.130).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	29	32	91	101	143	156	172	319	114	76	37
2	36	29	81	93	96	130	148	166	134	103	67	37
3	32	28	56	70	91	120	180	142	144	103	56	37
4	30	28	46	68	85	109	117	241	120	107	67	36
5	28	29	41	64	94	104	71	181	170	94	92	34
6	27	30	38	60	104	102	72	155	229	86	74	34
7	27	28	37	115	114	102	71	166	133	84	82	36
8	27	27	638	93	97	102	73	126	107	82	70	34
9	27	26	202	240	90	91	87	112	98	90	67	36
10	24	26	145	124	82	90	96	110	92	88	63	33
11	25	25	117	132	80	94	94	105	86	70	62	33
12	24	32	102	113	82	121	92	107	267	69	62	47
13	24	60	90	148	86	128	89	166	430	421	56	55
14	23	41	84	133	79	119	80	123	180	1360	63	40
15	24	40	75	102	76	146	83	103	148	370	58	37
16	110	38	422	93	77	161	100	185	151	335	96	37
17	78	35	213	84	90	166	92	130	148	227	78	37
18	51	34	141	143	176	159	87	119	126	189	70	36
19	42	33	115	191	198	858	88	105	116	164	65	58
20	40	35	101	262	147	582	86	90	119	146	63	48
21	37	43	91	142	122	239	80	101	103	173	60	114
22	36	41	83	127	111	207	74	112	94	155	56	74
23	34	36	75	116	201	195	64	101	90	158	53	301
24	31	34	71	113	472	241	122	94	92	141	50	515
25	31	35	69	219	344	272	453	90	103	254	48	305
26	31	39	65	200	208	212	475	84	116	137	41	244
27	30	35	60	137	178	193	195	67	130	103	40	182
28	29	33	59	121	158	185	164	62	357	84	37	133
29	29	32	56	124	---	176	146	56	244	82	37	107
30	29	31	55	114	---	215	132	63	145	80	36	98
31	29	---	56	106	---	173	---	90	---	78	37	---
TOTAL	1086	1012	3516	3938	3839	5935	3867	3724	4791	5747	1884	2855
MEAN	35.0	33.7	113	127	137	191	129	120	160	185	60.8	95.2
MAX	110	60	638	262	472	858	475	241	430	1360	96	515
MIN	23	25	32	60	76	90	64	56	86	69	36	33
MEAN#	32.7	33.7	117	130	141	182	131	114	166	180	61.0	105
CFSM#	.54	.56	1.93	2.15	2.33	3.00	2.16	1.88	2.74	2.97	1.01	1.73
IN.#	.62	.61	2.22	2.48	2.43	3.46	2.41	2.17	3.06	3.42	1.16	1.93

CAL YR 1974 TOTAL 25505 MEAN 69.9 MAX 638 MIN 21 MEAN# 83.9 CFSM# 1.38 IN.# 18.70
WTR YR 1975 TOTAL 42194 MEAN 116 MAX 1360 MIN 23 MEAN# 116 CFSM# 1.91 IN.# 25.97

Adjusted for change in reservoir contents.

01480870 East Branch Brandywine Creek below Downingtown, Pa.

LOCATION.--Lat 39°58'07", long 75°40'25", Chester County, on left bank at downstream side of Sugars Bridge (State Highway 322), 2,000 ft (610 m) upstream from Valley Creek, 1.5 mi (2.4 km) north of Marshallton, and 3.3 mi (5.3 km) southeast of Downingtown.

DRAINAGE AREA.--89.9 mi^2 (232.8 km^2).

PERIOD OF RECORD.--February 1972 to current year.

GAGE.--Water-stage recorder Apr. 11, 1972 to June 22, 1972, Nov. 18, 1972 to present. Altitude of gage is 195 ft or 59.4 m (from topographic map). Nonrecording gage Feb. 1 to Apr. 10, June 25 to Nov. 17, 1972.

EXTREMES.--Current year: Maximum discharge, 3,250 ft^3/s (92.0 m^3/s) July 14 (gage height, 10.25 ft or 3.124 m), from rating curve extended as explained below; minimum, 36 ft^3/s (1.02 m^3/s) Oct. 14, 15 (gage height, 2.21 ft or 0.674 m).

Period of record: Maximum discharge, 8,160 ft^3/s (231 m^3/s) June 22, 1972 (gage height, 13.4 ft or 4.08 m, revised, from floodmark), from rating curve extended above 2,200 ft^3/s (62.3 m^3/s) on basis of slope-area measurement of peak flow; minimum observed, 29 ft^3/s (0.82 m^3/s) Oct. 5, 1972; minimum gage height, 2.15 ft (0.655 m) Nov. 17, 1973.

REVISIONS.--Figures of maximum discharge for water years 1973 and 1974 have been revised to 4,800 ft^3/s (136 m^3/s) June 29, 1973 (gage height, 11.53 ft or 3.514 m) and 2,460 ft^3/s (69.7 m^3/s) Dec. 21, 1973 (gage height, 9.22 ft or 2.810 m), superseding figures published in WRD Pa. 1973 and 1974.

REMARKS.--Records good. Flow regulated by Marsh Creek Reservoir, about 7.5 mi (12.1 km) upstream, since November 1973 (see p. 130). Records of water quality for current year are published on p.319.

REVISIONS.--Revised figures of discharge, in cubic feet per second, for periods of high water in water years 1973 and 1974, and supplemental peak discharges for water years 1972 and 1973, are given herewith. They supersede figures published in WRD Pa. 1972, 1973 and 1974.

June 29, 1973 -- 1,850 cfs
Dec. 21, 1973 -- 1,590 cfs
Dec. 26, 1973 -- 770 cfs

Month	Cfs days	Maximum	Minimum	Mean	Adj. mean	Per square mile	Runoff in inches
June 1973	6,963	1,850	97	232	-	2.58	2.88
Wtr Yr 1973	73,852	1,850	31	202	-	2.25	30.56
December 1973	6,184	1,590	36	199	263	2.93	3.38
Cal Yr 1973	65,134	1,850	32	178	184	2.05	27.89
Wtr Yr 1974	42,308	1,590	32	116	136	1.51	20.47

REVISED PEAK DISCHARGE.--1972: Feb. 13 (1830) 1,760 ft^3/s (7.35 ft); Mar. 17 (0900) 1,700 ft^3/s (7.12 ft). 1973: Nov. 14 (1500) 2,570 ft^3/s (9.41 ft); Nov. 20 (0530) 1,560 ft^3/s (6.65 ft); Feb. 2 (1800) 1,760 ft^3/s (7.34 ft); Apr. 2 (0700) 1,790 ft^3/s (7.42 ft); May 28 (1300) 1,820 ft^3/s (7.54 ft); June 24 (1830) 1,720 ft^3/s (7.20 ft); June 28 (2015) 1,920 ft^3/s (7.85 ft); June 29 (1745) 4,800 ft^3/s (11.53 ft); July 4 (0215) 1,740 ft^3/s (7.27 ft); Aug. 2 (0830) 1,580 ft^3/s (6.75 ft).

01480870 East Branch Brandywine Creek below Downingtown, Pa.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	48	51	145	161	235	258	291	625	193	133	71
2	62	48	121	147	155	213	243	279	223	169	124	70
3	55	54	87	113	145	195	309	233	235	167	113	68
4	51	49	74	110	139	181	225	416	191	183	122	64
5	50	50	66	104	157	173	151	315	306	151	169	64
6	48	50	62	100	181	169	151	261	451	141	131	64
7	46	46	60	185	187	169	145	282	228	135	137	65
8	45	45	1100	145	159	169	145	215	183	129	122	64
9	44	44	330	399	147	151	157	191	165	131	116	61
10	42	43	250	189	133	151	167	183	149	151	113	58
11	40	42	190	197	131	155	167	175	139	119	110	58
12	40	59	145	167	135	161	163	177	475	113	109	125
13	40	98	129	238	139	208	157	291	816	832	106	106
14	37	63	122	208	129	208	145	205	309	2300	113	73
15	38	61	113	157	124	243	155	173	245	719	103	68
16	181	57	679	147	129	253	175	336	233	641	179	67
17	123	53	360	133	151	240	159	218	253	430	131	67
18	73	52	210	245	291	230	153	191	205	354	118	65
19	61	51	173	303	315	978	155	175	191	309	107	104
20	59	54	153	423	230	1050	149	149	199	279	113	92
21	57	64	139	213	187	433	139	179	165	336	103	309
22	56	61	127	193	173	375	129	189	153	267	98	124
23	55	54	119	177	330	351	118	167	145	267	92	674
24	54	52	115	175	764	423	195	173	141	235	89	994
25	53	53	113	315	617	472	663	163	159	545	89	577
26	53	58	106	324	342	357	804	175	199	245	82	416
27	50	52	101	201	288	321	327	127	203	197	74	312
28	49	52	100	181	255	306	270	116	581	157	71	218
29	47	49	95	185	---	297	240	106	500	149	68	179
30	46	48	95	173	---	375	218	189	253	141	70	157
31	68	---	97	169	---	294	---	147	---	137	73	---
TOTAL	1793	1610	5682	6161	6294	9536	6632	6407	8320	10322	3378	5434
MEAN	57.8	53.7	183	199	225	308	221	207	277	333	109	181
MAX	181	98	1100	423	764	1050	804	416	816	2300	179	994
MIN	37	42	51	100	124	151	118	106	139	113	66	58
MEAN#	55.5	53.7	187	202	229	299	223	201	283	328	105	191
CFSM#	.62	.60	2.08	2.25	2.55	3.33	2.48	2.24	3.15	3.65	1.21	2.12
IN.#	.72	.67	2.40	2.59	2.66	3.84	2.77	2.58	3.51	4.21	1.40	2.36

CAL YR 1974 TOTAL 42267 MEAN 116 MAX 1100 MIN 34 MEAN# 130 CFSM# 1.45 IN.# 19.55
WTR YR 1975 TOTAL 71569 MEAN 196 MAX 2300 MIN 37 MEAN# 197 CFSM# 2.19 IN.# 29.71

Adjusted for change in contents of Marsh Creek Reservoir.

01481000 Brandywine Creek at Chadds Ford, Pa.

LOCATION.--Lat 39°52'11", long 75°35'37", Delaware County, on left bank 27 ft (8 m) upstream from Penn Central Railroad bridge at Chadds Ford, 150 ft (46 m) upstream from Harvey Run and 1,200 ft (370 m) downstream from highway bridge on U.S. Highway 1.

DRAINAGE AREA.--287 mi^2 (743 km^2), including that of Harvey Run.

PERIOD OF RECORD.--August 1911 to December 1953, October 1962 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 150.45 ft (45.857 m) above mean sea level. Prior to May 21, 1927, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--55 years, (1911-53, 1962-75), 389 ft^3/s (11.0 m^3/s), 18.41 in/yr (468 mm/yr), adjusted for storage since November 1973.

EXTREMES.--Current year: Maximum discharge, 9,600 ft^3/s (272 m^3/s) July 14 (gage height, 11.60 ft or 3.536 m); minimum, 133 ft^3/s (3.77 m^3/s) Oct. 12, 14 (gage height, 1.42 ft or 0.433 m).
Period of record: Maximum discharge, 23,800 ft^3/s (674 m^3/s) June 22, 1972 (gage height, 16.56 ft or 5.047 m) from rating curve extended above 9,000 ft^3/s (255 m^3/s) on basis of area-velocity study; minimum, 4.9 ft^3/s (0.14 m^3/s) Oct. 2, 1941 (gage height, 0.28 ft or 0.085 m); minimum daily, 42 ft^3/s (1.19 m^3/s) Sept. 12, 1966.

REMARKS.--Records good. Flow regulated by Marsh Creek Reservoir (see p.130) about 17 mi (27 km) upstream. Records of water quality for current year are published on p.325.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1202: 1919-20, 1932-33, 1936, 1938(P), 1942, (maximum only, 1917-18, 1922-31, 1934, 1939, 1944-46). WRD Pa. 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	161	161	392	475	560	637	765	2390	514	486	276
2	201	160	502	409	463	534	601	826	795	468	476	272
3	193	189	342	323	446	507	721	681	610	456	456	263
4	176	169	239	311	434	476	661	1080	532	523	453	254
5	172	168	283	295	480	462	514	1080	829	450	609	250
6	168	164	192	281	519	457	503	776	1890	434	484	250
7	164	164	191	467	551	456	492	871	730	422	492	254
8	156	155	2310	391	480	464	480	691	580	415	452	250
9	151	154	1140	951	458	427	476	631	526	410	432	241
10	156	153	478	531	426	423	485	617	494	460	419	232
11	144	151	395	474	426	440	481	593	475	419	416	227
12	147	178	356	443	442	478	473	583	1320	401	411	304
13	147	327	340	571	438	555	462	877	2470	2840	399	426
14	147	210	329	610	410	550	451	671	913	7640	445	263
15	147	194	310	520	410	613	457	593	682	4240	393	241
16	555	185	1250	460	426	619	507	954	633	1980	523	236
17	463	177	1290	390	475	537	466	717	717	1260	458	241
18	254	168	504	583	754	504	451	612	591	1040	410	232
19	210	169	427	880	787	1760	458	593	548	909	380	332
20	197	172	396	1040	636	4730	450	555	595	932	380	286
21	188	283	371	578	519	1190	425	612	501	2460	351	1080
22	176	194	353	523	488	956	412	820	475	874	347	429
23	180	173	330	501	803	873	405	597	461	784	332	1750
24	197	172	324	493	1340	944	491	555	469	715	323	2640
25	170	172	321	661	1910	1180	1430	532	498	1230	323	1770
26	171	185	308	924	806	820	2670	537	553	725	323	1070
27	169	165	295	569	663	714	954	510	525	632	295	877
28	162	172	291	519	601	689	776	488	1270	568	286	557
29	162	162	280	519	---	680	712	467	1220	540	276	478
30	158	156	283	506	---	869	666	463	679	513	276	443
31	182	---	279	484	---	734	---	578	---	499	276	---
TOTAL	6086	5322	14790	16519	17066	25209	19167	20845	24979	35753	12382	16344
MEAN	196	177	477	533	610	813	639	672	833	1153	399	545
MAX	555	327	2310	1040	1910	4730	2670	1080	2470	7640	609	2640
MIN	144	151	161	281	410	423	405	463	461	401	276	227
MEAN#	194	177	481	536	614	804	641	666	839	1148	398	555
CFSM#	.68	.62	1.68	1.87	2.14	2.80	2.23	2.32	2.92	4.00	1.39	1.93
IN#	.78	.69	1.93	2.15	2.23	3.23	2.49	2.68	3.26	4.61	1.61	2.16

CAL YR 1974 TOTAL 137962 MEAN 378 MAX 2310 MIN 137 MEAN# 392 CFSM# 1.37 IN.# 18.52
WTR YR 1975 TOTAL 214462 MEAN 588 MAX 7640 MIN 144 MEAN# 588 CFSM# 2.05 IN.# 27.82

Adjusted for change in contents in Marsh Creek Reservoir.

01481500 Brandywine Creek at Wilmington, Del.

LOCATION.--Lat 39°46'09", long 75°34'25", New Castle County, on right bank in Rockford Park, 0.2 mi (0.3 km) downstream from Henry Clay Bridge, in Wilmington, and 4.2 mi (6.8 km) upstream from mouth.

DRAINAGE AREA.--314 mi² (813 km²).

PERIOD OF RECORD.--October 1946 to current year. Prior to December 1946, monthly discharge only, published in WSP 1302.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 68.23 ft (20.797 m) above mean sea level.

AVERAGE DISCHARGE.--29 years, 468 ft³/s (13.25 m³/s), 20.24 in/yr (514 mm/yr), adjusted for storage since November 1973.

EXTREMES.--Current year: Maximum discharge, 8,400 ft³/s (238 m³/s) July 14 (gage height, 9.70 ft or 2.957 m); minimum, 122 ft³/s (3.46 m³/s) November 4, 11, 12, 18; minimum daily, 157 ft³/s (4.45 m³/s) Oct. 12.
Period of record: Maximum discharge, 29,000 ft³/s (821 m³/s) June 23, 1972 (gage height, 15.49 ft or 4.721 m), from rating curve extended above 18,000 ft³/s (510 m³/s); minimum, about 30 ft³/s (0.85 m³/s) Dec. 26, 1948, during period of ice effect; minimum daily, 56 ft³/s (1.59 m³/s) Aug. 23, 24, 1957.

REMARKS.--Records good. Some diurnal fluctuation at low flow caused by mills above station. Flow regulated since November 1973 by Marsh Creek Reservoir about 27 mi (43 km) upstream. No diversion just above station by plant of E. I. du Pont de Nemours & Co. since June 13, 1960. Records of water quality for the current year are published on p. 336.

REVISIONS (WATER YEARS).--WSP 1432: 1948, 1950.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	172	182	437	514	683	817	757	2890	665	550	389
2	218	172	865	481	501	646	763	885	1020	586	541	307
3	208	206	455	380	477	614	866	719	740	566	516	294
4	190	192	205	363	453	568	865	1280	655	658	507	280
5	186	188	244	342	510	537	648	1150	1100	557	657	277
6	183	189	228	328	563	533	624	868	2610	577	562	273
7	179	182	223	538	598	531	598	937	930	518	562	280
8	172	176	2470	465	518	544	571	776	741	496	514	273
9	168	174	1580	1110	485	492	554	687	666	660	479	265
10	170	173	556	661	449	484	573	660	606	598	466	249
11	161	177	452	553	440	506	565	630	570	518	459	245
12	157	196	406	528	461	547	550	613	1890	481	439	271
13	160	406	380	628	453	693	528	1010	3280	3490	446	514
14	158	263	370	491	415	685	514	791	1220	6570	507	297
15	158	216	350	502	423	795	516	651	919	4790	446	263
16	816	203	1860	473	440	768	610	1030	853	2280	562	257
17	590	192	1720	439	489	663	539	828	923	1300	548	259
18	309	187	631	607	733	622	510	670	804	964	472	253
19	246	183	517	966	767	1990	519	633	842	847	426	369
20	223	186	466	1150	673	5310	514	558	824	857	420	335
21	212	226	433	676	554	1490	481	687	686	2920	401	1020
22	198	219	411	606	513	1100	461	826	629	875	389	492
23	189	194	384	568	746	1020	450	629	596	792	371	2100
24	189	188	375	559	1300	1110	518	533	578	741	365	3250
25	184	197	371	677	2440	1470	1760	502	655	1390	365	2230
26	182	203	359	1070	893	1000	3230	502	674	764	359	1140
27	180	189	341	644	779	921	1030	481	678	689	326	948
28	175	188	336	571	720	889	856	446	1320	634	311	631
29	175	184	324	565	---	873	776	422	1610	609	301	540
30	171	176	324	552	---	1010	704	476	867	583	301	496
31	195	---	322	526	---	936	---	561	---	567	305	---
TOTAL	6939	5997	18140	18656	18389	30030	22510	22118	32376	38542	13873	18737
MEAN	224	200	585	602	657	969	750	713	1079	1243	448	625
MAX	816	406	2470	1150	2440	5310	3230	1280	3280	6570	657	3250
MIN	157	172	182	328	415	484	450	422	570	401	301	245
MEAN#	222	200	589	605	661	960	752	707	1085	1238	448	635
CFSM#	.71	.64	1.88	1.93	2.11	3.06	2.39	2.25	3.46	3.94	1.43	2.02
IN.#	.81	.71	2.16	2.22	2.19	3.52	2.67	2.60	3.86	4.55	1.64	2.26

CAL YR 1974 TOTAL 157929 MEAN 433 MAX 2730 MIN 195 MEAN# 447 CFSM# 1.42 IN.# 19.34
WTR YR 1975 TOTAL 246307 MEAN 675 MAX 6570 MIN 157 MEAN# 676 CFSM# 2.15 IN.# 29.19

Adjusted for change in reservoir contents.

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 8	2315	7.33	4,700	7-14	1430	9.70	8,400
3-20	0900	9.31	7,620	7-21	0530	8.16	5,740
4-26	0915	7.28	4,640	9-24	2300	7.15	4,480
6-13	0515	7.06	4,370				

Lakes and reservoirs in Delaware River basin

01428900 PROMPTON RESERVOIR.--Lat 41°35'18", long 75°19'39", Wayne County, at dam on West Branch Lackawaxen River, 0.3 mi (0.5 km) north of Prompton, 0.4 mi (0.6 km) upstream from highway bridge and 0.5 mi (0.8 km) upstream from Van Auken Creek. Drainage area, 59.6 mi² (154 km²). Period of record, December 1960 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents, 5,370 acre-ft (6.62 hm³) Sept. 25 (elevation, 1,131.30 ft or 344.820 m); minimum, 3,490 acre-ft (4.30 hm³) Sept. 7 (elevation, 1,125.25 ft or 342.976 m). Extremes for period of record: Maximum contents, 8,170 acre-ft (10.1 hm³) June 29, 1973 (elevation, 1,138.40 ft or 347.070 m); minimum (after first filling), 2,920 acre-ft (3.60 hm³) Sept. 27, 1964 (elevation, 1,123.20 ft or 342.351 m).

Reservoir formed by an earth and rockfill dam with ungaged bedrock spillway at elevation 1,205.00 ft (367.284 m). Storage began July 1960. Capacity at elevation 1,205.00 ft (367.284 m) is 51,700 acre-ft (63.7 hm³). Ordinary minimum (conservation) pool elevation, 1,125.00 ft or 342.900 m (capacity, 3,420 acre-ft or 4.22 hm³). Reservoir is used for flood control and recreation. Figures given herein represent total contents. Regulation is accomplished by discharge through an ungated tunnel. Records furnished by Corps of Engineers.

01429400 GENERAL EDGAR JADWIN RESERVOIR.--Lat 41°36'44", long 75°15'55", Wayne County, at dam on Dyberry Creek, 0.45 mi (0.72 km) upstream from unnamed tributary, 2.4 mi (3.9 km) north of Honesdale, and 2.9 mi (4.7 km) upstream from mouth. Drainage area, 64.5 mi² (167.1 km²). Period of record, October 1959 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents, 5,500 acre-ft (6.78 hm³) Feb. 25 (elevation, 1,014.0 ft or 309.067 m); minimum, no storage many times. Extremes for period of record: Maximum contents, 6,520 acre-ft (8.04 hm³) June 19, 1973 (elevation, 1,017.40 ft or 310.104 m); minimum, no storage many times.

Reservoir formed by an earth and rockfill dam with ungated, concrete spillway at elevation, 1,053.00 ft (320.954 m). Storage began in October 1959. Capacity at elevation 1,053.00 ft (320.954 m) is 24,500 acre-ft (30.2 hm³). Reservoir is used for flood control. Figures given herein represent total contents. Regulation is accomplished by discharge through an ungated tunnel. Records furnished by Corps of Engineers.

01431700 LAKE WALLENPAUPACK.--Lat 41°27'35", long 75°11'10", Wayne County, at dam on Wallenpaupack Creek at Wilsonville, 1.2 mi (1.9 km) south of Hawley and 1.5 mi (2.4 km) upstream from mouth. Drainage area, 228 mi² (591 km²). Period of record, January 1926 to current year. Gage, vertical staff. Datum of gage is at mean sea level (levels by Pennsylvania Power and Light Co.). Extremes for current year: Maximum contents, 142,210 acre-ft (175 hm³) May 18 (elevation 1,187.30 ft or 361.889 m); minimum, 85,400 acre-ft (105 hm³) Oct. 25 (elevation, 1,177.00 ft or 358.750 m). Extremes for period of record: Maximum contents, 178,200 acre-ft (220 hm³) Aug. 19-21, 1955 (elevation, 1,193.45 ft or 363.764 m); minimum (after first filling), 12,280 acre-ft (15.1 hm³) Mar. 28, 1958 (elevation, 1,162.60 ft or 354.360 m).

Reservoir formed by concrete gravity-type and earthfill dam, with concrete spillway at elevation, 1,176.00 ft (358.445 m) in two sections. Spillway equipped with roller gate, 14 ft high (4.267 m) on each section. Storage began Nov. 3, 1925; water in reservoir first reached minimum pool elevation in January 1926. Total capacity at elevation, 1,190.00 ft or 362.712 m (top of gates) is 209,300 acre-ft (258 hm³), of which 157,800 acre-ft (195 hm³) is controlled storage above elevation, 1,160.00 ft or 353.568 m (minimum pool). Reservoir is used for generation of hydroelectric power. Figures given herein represent usable contents. Records furnished by Pennsylvania Power and Light Co.

01447780 FRANCIS E. WALTER RESERVOIR (formerly published as Bear Creek Reservoir).--Lat 41°06'45", long 75°43'15", Luzerne County, at dam on Lehigh River, 2,200 ft (670 m) downstream from Bear Creek and 5 mi (8 km) northwest of White Haven. Drainage area, 289 mi² (749 km²). Period of record, February 1961 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents, 9,940 acre-ft (12.3 hm³) Sept. 26 (elevation, 1,344.13 ft or 409.691 m); minimum, 1,440 acre-ft (1.78 hm³) June 8 (elevation, 1,294.35 ft or 394.518 m). Extremes for period of record: Maximum contents, 42,600 acre-ft (52.5 hm³) June 26, 1972 (elevation, 1,398.20 ft or 426.171 m); minimum (after establishment of conservation pool), 1,510 acre-ft (1.86 hm³) Apr. 23, 1962 (elevation, 1,295.10 ft or 394.746 m).

Reservoir formed by an earthfill embankment covered with a rock shell, with concrete spillway at elevation, 1,450.0 ft (441.96 m). Storage began Feb. 17, 1961; water in reservoir first reached conservation pool elevation in June 1961. Total capacity at elevation 1,450.0 ft (441.96 m) is 110,700 acre-ft (136 hm³) of which 108,700 acre-ft (134 hm³) is controlled storage above elevation 1,300.0 ft or 396.24 m (conservation pool). Dead storage is 2,000 acre-ft (2.47 hm³). Reservoir is used for flood control and recreation. Figures given herein represent total contents. Flow regulated by three gates and low flow by-pass system. Records furnished by Corps of Engineers.

01449400 PENN FOREST RESERVOIR.--Lat 40°55'45", long 75°33'45", Carbon County, at dam on Wild Creek near Hatchery, Pa., 0.7 mi (1.1 km) upstream from Hatchery, 2.6 mi (4.2 km) upstream from Wild Creek Dam, 4.4 mi (7.1 km) upstream from mouth, and 10 mi (16 km) northeast of Palmerton. Drainage area, 16.5 mi² (42.7 km²). Period of record, October 1958 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by city of Bethlehem). Extremes for current year: Maximum contents, 20,420 acre-ft (25.2 hm³) Feb. 25 (elevation, 1,000.76 ft or 305.032 m); minimum, 18,230 acre-ft (22.5 hm³) Oct. 26 (elevation, 996.12 ft or 303.617 m). Extremes for period of record: Maximum contents, 20,470 acre-ft (25.2 hm³) Dec. 22, 1973 (elevation, 1,000.84 ft or 305.056 m); minimum, 176 acre-ft (0.217 hm³) Oct. 6, 1965 (elevation, 902.40 ft or 275.052 m).

Reservoir formed by an earthfill dam, with ungated concrete spillway at elevation, 1,000.00 ft (304.800 m). Storage began in October 1958. Capacity at elevation 1,000.00 ft (304.800 m) is 19,980 acre-ft (24.6 hm³). Reservoir is used for municipal water supply. Figures given herein represent total contents. Regulation is done by valves on pipe through dam. Records furnished by city of Bethlehem. Figures given herein include diversion, since October 1969, from Tunkhannock Creek basin into Wild Creek basin (see p. 50).

Lakes and reservoirs in Delaware River basin--Continued

01449700 WILD CREEK RESERVOIR.--Lat 40°53'50", long 75°33'50", Carbon County, at dam on Wild Creek near Hatchery, Pa., 1.6 mi (2.6 km) upstream from mouth, 2.4 mi (3.9 km) south of Hatchery, and 7.5 mi (12 km) northeast of Palmerton. Drainage area, 22.2 mi² (57.5 km²). Period of record, January 1941 to current year. Nonrecording gage. Datum of gage is at mean sea level (levels by city of Bethlehem). Extremes for current year: Maximum contents, 12,280 acre-ft (15.1 hm³) Feb. 25 (elevation, 820.94 ft or 250.233 m); minimum, 9,500 acre-ft 11.7 hm³) Dec. 1 (elevation, 810.66 ft or 247.089 m). Extremes for period of record: Maximum contents, 12,880 acre-ft (15.9 hm³) May 23, 1942 (elevation, 822.93 ft or 250.829 m); minimum (after first filling), 2,680 acre-ft (3.30 hm³) Nov. 15, 1966 (elevation, 774.10 ft or 235.946 m).

Reservoir formed by earthfill dam, with concrete ungated spillway at elevation, 820.00 ft (249.936 m). Storage began January 27, 1941; water in reservoir first reached minimum pool elevation in February 1941. Total capacity at elevation 820.00 ft (249.936 m) is 12,500 acre-ft (15.4 hm³) of which 12,000 acre-ft (15 hm³) is controlled storage. Reservoir is used for municipal water supply. Figures given herein represent usable contents. Regulation is accomplished by valves on pipe through dam. Records furnished by city of Bethlehem. Since October 1969 the basin upstream has received diversion from Tunkhannock Creek basin (see p. 50).

01449790 BELTZVILLE LAKE.--Lat 40°50'56", long 75°38'19", Carbon County, at dam on Pohopoco Creek, 0.45 mi (0.72 km) upstream from gaging station on Pohopoco Creek, 0.55 mi (0.88 km) upstream from Sawmill Run and 2.3 mi (3.7 km) northeast of Parryville. Drainage area, 96.3 mi² (249.4 km²). Period of record, February 1971 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents 44,900 acre-ft (55.4 hm³) Feb. 26 (elevation, 631.70 ft or 192.542 m); minimum, 40,300 acre-ft (49.7 hm³) Sept. 19 (elevation, 627.00 ft or 191.110 m). Extremes for period of record: Maximum contents, 48,410 acre-ft (59.7 hm³) July 4, 1973 (elevation 635.10 ft or 193.578 m); minimum, 136 acre-ft (0.168 hm³) Feb. 8, 1971 (elevation 516.20 ft or 157.338 m).

Reservoir formed by an earth and rockfill dam with ungated, partially lined spillway at elevation, 651.00 ft (198.425 m). Storage began Feb. 8, 1971. Capacity at elevation 651.00 ft (198.425 m) is 68,300 acre-ft (84.2 hm³). Ordinary minimum (conservation) pool elevation, 628.00 ft or 191.414 m (capacity, 41,250 acre-ft or 50.9 hm³). Dead storage is 1,390 acre-ft (1.71 hm³). Reservoir is used for recreation, flood control, low-flow augmentation and water supply. Figures given herein represent total contents. Regulation is accomplished by a multi-level water-quality outlet system and two flood-control gates. Records furnished by Corps of Engineers.

01469200 STILL CREEK RESERVOIR.--Lat 40°51'25", long 75°59'30", Schuylkill County, at dam on Still Creek, 1 mi (1.6 km) upstream from mouth and 2.3 mi (3.7 km) north of Hometown, Pa. Drainage area, 8.5 mi² (22.0 km²). Period of record, January 1933 to current year. Nonrecording gage. Datum of gage is at mean sea level (levels by Panther Valley Water Co.). Extremes for current year: Maximum contents, 8,410 acre-ft (10.4 hm³) July 26 (elevation, 1,182.42 ft or 360.402 m); minimum, 8,040 acre-ft (9.91 hm³) Nov. 30 (elevation, 1,181.17 ft or 360.021 m). Extremes for period of record: Maximum contents, 8,570 acre-ft (10.6 hm³) Oct. 15, 1955 (elevation, 1,182.92 ft or 360.554 m), but may have been greater during 1950 and 1951 water years; minimum (after initial filling), 588 acre-ft (0.725 hm³) Dec. 8, 1944 (elevation, 1,136.70 ft or 346.466 m).

Reservoir formed by earthfill dam, with ungated concrete spillway at elevation 1,182.00 ft (360.274 m). Storage began in February 1933. Capacity at elevation 1,182.00 ft (360.274 m) is 8,290 acre-ft (10.2 hm³). Reservoir is used for municipal water supply. Figures given herein represent total contents. Regulation is accomplished by valves on pipe through dam. Records furnished by Panther Valley Water Co.

01472200 GREEN LANE RESERVOIR.--Lat 40°20'30", long 75°28'45", Montgomery County, at dam on Perkiomen Creek at Green Lane, Pa., 0.4 mi (0.6 km) west of Green Lane and 2.1 mi (3.4 km) upstream from Unami Creek. Drainage area, 70.9 mi² (183.6 km²). Period of record, December 1956 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Philadelphia Suburban Water Co.). Extremes for current year: Maximum contents, 14,410 acre-ft (17.8 hm³) Mar. 19 (elevation, 287.10 ft or 87.109 m); minimum, 13,240 acre-ft (16.3 hm³) Sept. 11 (elevation, 285.79 ft or 87.109 m). Extremes for period of record: Maximum contents, 17,030 acre-ft (21.0 hm³) June 23, 1972 (elevation, 290.05 ft or 88.407 m); minimum (after first filling), 1,270 acre-ft (1.57 hm³) Aug. 25, 1957 (elevation, 251.60 ft or 76.688 m).

Reservoir formed by concrete, gravity-type dam, with ungated spillway at elevation 286.00 ft (87.173 m). Storage began December 21, 1956. Capacity at spillway level (elevation 286.00 ft or 87.173 m), 13,430 acre-ft (16.6 hm³). Reservoir is used for municipal water supply. Figures given herein represent total contents. Regulation is accomplished by valves on pipe through dam. Records furnished by Philadelphia Suburban Water Co.

01480684 MARSH CREEK RESERVOIR.--Lat 40°03'24", long 75°43'06", Chester County, on right bank at dam on Marsh Creek, 0.3 mi (0.5 km) upstream from mouth and 3.2 mi (5.1 km) north of Downingtown. Drainage area, 20.1 mi² (52.1 km²). Period of record, November 1973 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Pennsylvania Department of Environmental Resources). Extremes for current year: Maximum contents, 15,480 acre-ft (19.1 hm³) Mar. 21 (elevation, 361.85 ft or 110.292 m); minimum, 14,080 acre-ft (17.4 hm³) July 10 (elevation, 359.30 ft or 109.515 m). Extremes for period of record: Maximum contents, 15,480 acre-ft (19.1 hm³) Mar. 21, 1975 (elevation, 361.85 ft or 110.292 m), minimum (after first filling), 14,080 acre-ft (17.4 hm³) July 10, 1975 (elevation, 359.30 ft or 109.515 m).

Reservoir formed by earthfill dam with concrete spillway at elevation 359.5 ft (109.58 m). Storage began November 1973. Total capacity 22,190 acre-ft (27.4 hm³) at elevation 373 ft (113.69 m). Reservoir is used for water supply, flood control and recreation. Figures given herein represent contents above lowest gate sill at elevation 289.5 ft (88.240 m). Records furnished by Pennsylvania Department of Environmental Resources.

Lakes and reservoirs in Delaware River basin--Continued

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cfs)
	01428900 PHOMPTON LAKE			01429400 GENERAL EDGAR JADWIN RESERVOIR		
Sept. 30	1,126.30	3,780	-	977.13	0	0
Oct. 31	1,125.30	3,500	-4.6	975.27	0	0
Nov. 30	1,125.50	3,560	+1.0	976.34	0	0
Dec. 31	1,125.60	3,590	+.5	976.72	0	0
CAL YR 1974	-	-	-1.6	-	-	0
Jan. 31	1,129.90	4,910	+21.5	976.03	0	0
Feb. 28	1,128.40	4,430	-8.6	979.99	50	+.9
Mar. 31	1,126.40	3,810	-10.1	978.04	1	-.8
Apr. 30	1,125.40	3,530	-4.7	976.28	0	0
May 31	1,125.50	3,560	+.5	977.09	0	0
June 30	1,126.90	3,950	+6.6	977.64	0	0
July 31	1,125.35	3,520	-7.0	975.47	0	0
Aug. 31	1,125.90	3,670	+2.4	976.15	0	0
Sept. 30	1,126.55	3,850	+3.0	976.84	0	0
WTR YR 1975		-	+.1	-	-	0
	01431700 LAKE WALLENPAUPACK			01447780 FRANCIS E. WALTER LAKE		
Sept. 30	1,178.70	94,580	-	1,304.55	2,460	-
Oct. 31	1,177.20	86,480	-132	1,300.60	2,060	-6.5
Nov. 30	1,179.80	100,520	+236	1,301.60	2,160	+1.7
Dec. 31	1,183.00	118,000	+284	1,301.02	2,100	-1.0
CAL YR 1974	-	-	-26.2	-	-	-8.0
Jan. 31	1,182.60	115,800	-35.8	1,302.78	2,280	+2.9
Feb. 28	1,181.10	107,550	-149	1,343.10	9,660	+133
Mar. 31	1,180.90	106,460	-17.7	1,304.80	2,490	-117
Apr. 30	1,182.80	116,900	+175	1,299.05	1,900	-9.9
May 31	1,186.80	139,360	+365	1,302.25	2,220	+5.2
June 30	1,185.30	130,880	-143	1,303.75	2,380	+2.7
July 31	1,182.30	114,150	-272	1,300.98	2,100	-4.6
Aug. 31	1,181.00	107,000	-116	1,300.70	2,070	-.5
Sept. 30	1,180.50	104,300	-45.4	1,301.40	2,140	+1.2
WTR YR 1975	-	-	+13.4	-	-	-.4
	01449400 PENN FOREST RESERVOIR			01449700 WILD CREEK RESERVOIR		
Sept. 30	996.56	18,430	-	816.65	1,170	-
Oct. 31	996.16	18,250	-2.9	814.68	10,610	-10.4
Nov. 30	996.65	18,470	+3.7	810.76	9,530	-18.2
Dec. 31	999.75	19,870	+22.8	818.13	11,570	+33.2
CAL YR 1974	-	-	-.5	-	-	-.8
Jan. 31	1,000.26	20,130	+4.2	820.21	12,060	+8.0
Feb. 28	1,000.44	20,240	+2.0	820.56	12,170	+2.0
Mar. 31	1,000.24	20,120	-2.0	820.28	12,080	-1.5
Apr. 30	1,000.06	20,010	-1.8	820.10	12,030	-.8
May 31	1,000.16	20,070	+1.0	820.11	12,030	0
June 30	1,000.35	20,180	+1.8	820.52	12,160	+2.2
July 31	1,000.17	20,080	-1.6	820.18	12,050	-1.8
Aug. 31	1,000.09	20,030	-.8	818.60	11,700	-5.7
Sept. 30	999.79	19,880	-2.5	819.03	11,810	+1.8
WTR YR 1975	-	-	+2.0	-	-	+.9

Lakes and reservoirs in Delaware River basin--Continued

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cfs)
	01449790 BELTZVILLE LAKE			01469200 STILL CREEK RESERVOIR		
Sept. 30	628.20	41,440	-	1,182.06	8,300	-
Oct. 31	628.00	41,250	-3.1	1,181.50	8,140	-2.6
Nov. 30	628.00	41,250	0	1,181.17	8,040	-1.7
Dec. 31	628.00	41,250	0	1,182.04	8,300	+4.2
CAL YR 1974	-	-	-.4	-	-	-.1
Jan. 31	628.20	41,440	+3.1	1,182.08	8,310	+.2
Feb. 28	630.60	43,800	+42.5	1,182.12	8,320	+.2
Mar. 31	628.10	41,340	-40.0	1,182.12	8,320	0
Apr. 30	627.80	41,060	-4.7	1,182.04	8,300	-.3
May 31	627.90	41,160	+1.6	1,182.02	8,290	-.2
June 30	630.00	43,200	+34.3	1,182.06	8,300	+.2
July 31	628.20	41,440	-28.6	1,182.12	8,320	+.3
Aug. 31	627.70	40,960	-7.8	1,181.83	8,240	-1.3
Sept. 30	627.90	41,160	+3.4	1,182.25	8,360	+2.0
WTR YR 1975	-	-	-.4	-	-	+.1
	01472200 GREEN LANE RESERVOIR			01480684 MARSH CREEK RESERVOIR		
Sept. 30	286.15	13,560	-	359.95	14,430	-
Oct. 31	286.00	13,430	-2.1	359.69	14,290	-2.3
Nov. 30	285.90	13,340	-1.5	359.69	14,290	0
Dec. 31	286.05	13,480	+2.3	360.15	14,540	+4.1
CAL YR 1974	-	-	-.1	-	-	+14.0
Jan. 31	286.15	13,560	+1.3	360.48	14,720	+2.9
Feb. 28	286.15	13,560	0	360.88	14,940	+4.0
Mar. 31	286.12	13,540	-.3	359.82	14,360	-9.4
Apr. 30	286.06	13,490	-.8	360.02	14,470	+1.8
May 31	286.49	13,870	+6.2	359.38	14,120	-5.7
June 30	286.01	13,440	-7.2	360.03	14,480	+6.1
July 31	286.00	13,430	-.2	359.46	14,160	-5.2
Aug. 31	285.91	13,350	-1.3	359.48	14,170	+.2
Sept. 30	286.04	13,470	+2.0	360.56	14,770	+10.1
WTR YR 1975	-	-	-.1	-	-	+.5

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements: Date	Measurements: Discharge (cfs)
		Delaware River basin				
*01427950	West Branch Lackawaxen Creek near Aldenville, Pa.	Lat 41°40'28", long 75°22'35", Wayne County, at bridge on State Highway 247, 0.3 mile downstream from Johnsons Creek and 2 miles northwest of Aldenville. Datum of gage is 1,244.60 ft above mean sea level.	40.6	1975	5-29-75 7-11-75	52 26
*01429300	Dyberry Creek above reservoir near Honesdale, Pa.	Lat 41°39'26", long 75°17'12", Wayne County, on right bank, 955 ft downstream from bridge on West Branch Dyberry Creek at Tanners Falls, 0.2 mile downstream from confluence of east and west branches of Dyberry Creek, and 6 miles north of Dyberry. Datum of gage is 1,023.43 ft above mean sea level.	45.8	1975	5-30-75 7- 8-75	52 23
01439400	Toms Creek at Egypt Mills near Bushkill, Pa.	Lat 41°07'29", long 74°57'14", Pike County, at bridge on U.S. Highway 209 at Egypt, 0.3 mile upstream from mouth and 3 miles northwest of Bushkill.	3.34	1970-75	5-22-75	16
01440250	Shawnee Creek at Shawnee on Delaware, Pa.	Lat 41°00'42", long 75°06'40", Monroe County, at bridge on State Highway 945, in village of Shawnee on Delaware, 0.6 mile upstream from mouth and 3 miles east of East Stroudsburg.	4.58	1970-75	5-22-75	8.6
*01440900	McMichaels Creek near Stroudsburg, Pa.	Lat 40°58'04", long 75°13'08", Monroe County, at bridge on Dreher Avenue, 2 miles southwest of Stroudsburg and 3.2 miles upstream from mouth.	63.9	1975	6-18-75	127
01443100	Jacoby Creek at Portland, Pa.	Lat 40°55'00", long 75°06'19", Northampton County, at county highway bridge, 0.6 mile southwest of Portland and 0.7 mile upstream from mouth.	6.17	1970-75	5-22-75	9.6
01446650	Martins Creek below Little Martins Creek at Martins Creek, Pa.	Lat 40°47'02", long 75°11'08", Northampton County, at bridge on U.S. Highway 611 in village of Martins Creek and 0.9 mile upstream from mouth.	43.4	1932 1970-75	5-22-75	52

*Also a crest-stage partial-record station.

Discharge measurements made at low-flow partial-record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements: Date	Measurements: Discharge (cfs)
		Delaware River basin--Continued				
01446900	Bushkill Creek near Easton, Pa.	Lat 40°42'38", long 75°14'46", Northampton County, at bridge just west of Bushkill Drive at Coilton, 0.8 mile downstream from Schoeneck Creek and 2 miles north of Easton.	72.0	1970-75	4-30-75	94
01449355	Middle Creek at Kresgeville, Pa.	Lat 40°54'03, long 75°29'50", Monroe County, at bridge on U.S. Highway 209, at Kresgeville, 0.5 mile downstream from Dotters Creek and 0.5 mile upstream from mouth.	18.6	1970-75	4-30-75	36
*01450455	Buckwha Creek at Little Gap, Pa.	Lat 40°49'21", long 75°32'04", Carbon County, at bridge on L.R. 13035, 0.35 mile upstream from mouth and 0.75 mile south of Little Gap.	42.5	1975	4-14-75 9-11-75	65 15
01451110	Hockendauqua Creek near Northampton, Pa.	Lat 40°42'50", long 75°29'45", Northampton County, at bridge on county road, 1.7 miles north of Northampton and 3.3 miles upstream from mouth.	38.1	1970-75	4-30-75	42
01451165	Catasauqua Creek at Catasauqua, Pa.	Lat 40°38'52", long 75°28'06", Lehigh County, at bridge on North Dauphin Street, Catasauqua, 0.1 mile upstream from mouth.	15.7	1970-75	4-30-75	13
01457790	Cooks Creek at Durham Furnace, Pa.	Lat 40°34'56", long 75°12'20", Bucks County, on east side of Red Brick Road, 0.1 mile north of State Highway 212, 0.5 mile upstream from mouth and Durham Furnace.	29.4	1934 1944 1949-50 1970-75	4-23-75 9-16-75	35 22
*01458900	Tinicum Creek near Ottsville, Pa.	Lat 40°28'14", long 75°08'13", Bucks County, at concrete bridge on gravel road, 0.9 mile below confluence of Rapp Creek and Beaver Creek, 1.5 miles east of Ottsville and 5.3 miles above mouth.	14.7	1971-75	5- 1-75 5-22-75 7-10-75	15 9.9 8.2
01459150	Tohickon Creek near Quakertown, Pa.	Lat 40°26'26", long 76°18'42", Bucks County, 1,000 ft downstream from highway bridge and mouth of Morgan Creek and 1 mile east of Quakertown.	27.5	1970-75	4-23-75 9-16-75	10 4.1
01462300	Jericho Creek at Washington Crossing, Pa.	Lat 40°18'40", long 74°54'23", Bucks County, at bridge on State Highway 32, 0.3 mile upstream from mouth and 2.5 miles northwest of Washington Crossing.	9.52	1971-75	4-23-75 5-22-75 9-16-75	3.2 7.4 .19
*01467500	Schuylkill River at Pottsville, Pa.	Lat 40°40'53", long 76°11'25", Schuylkill County, at bridge on State Highway 61 at Pottsville and 1.7 miles downstream from Mill Creek.	-	-	4-16-75 5- 8-75 8-26-75	115 112 56
*01467948	West Branch Schuylkill River near Cressona, Pa.	Lat 40°38'30", long 76°11'43", Schuylkill County, at bridge on Gordon-Nagle Trail, 0.75 mile upstream from Panther Creek and 1 mile north at Cressona.	52.5	1975	4-17-75 7- 7-75 8-26-75	89 72 33
*01470190	Little Schuylkill River at Port Clinton, Pa.	Lat 40°35'24", long 76°01'43", Schuylkill County, 0.65 mile upstream from Rattling Run and 0.7 mile north of Port Clinton.	132	1975	4-18-75 7- 9-75 8-27-75	224 176 97
*01470748	Sacony Creek near Virginville, Pa.	Lat 40°31'27", long 75°51'29", Berks County, at bridge on L.R. 06135, 1 mile upstream from mouth and 1 mile east of Virginville.	54.1	1975	5-16-75 8-28-75	115 29

*Also a crest-stage partial-record station.

Discharge measurements made at low-flow partial-record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements Date	Measurements Discharge (cfs)
		Delaware River basin--Continued				
*01470810	Northkill Creek at Bernville, Pa.	Lat 40°26'22", long 76°07'12", Berks County, at bridge on State Highway 183, 0.3 mile upstream from Little Northkill Creek and 0.7 mile northwest of Bernville.	18.8	1975	5-27-75 9- 3-75	13 6.7
*01470818	Little Northkill Creek near Bernville, Pa.	Lat 40°26'33", long 76°08'23", Berks County, at bridge on L.R. 06013, 1.5 miles west of Bernville and 1.6 miles upstream from mouth.	21.2	1975	5- 9-75 8-28-75	55 9.4
*01470825	Northkill Creek below Little Northkill Creek near Bernville, Pa.	Lat 40°25'42", long 76°06'52", Berks County, at bridge on L.R. 06047, at Bernville, 0.25 mile upstream from mouth and 0.55 mile downstream from Little Northkill Creek.	42.0	1975	10-31-74 9- 4-75	12 17
*01471800	Pine Creek near Manatawny, Pa.	Lat 40°24'43", long 75°44'02", Berks County, at steel bridge on macadam road, at Lobachsville, 0.5 mile upstream from mouth, 0.5 mile below West Branch Pine Creek and 2 miles north of Manatawny.	15.6	1970-75	4-23-75 9-17-75	18 6.5
*01473470	Stony Creek at Norristown, Pa.	Lat 40°07'38", long [illegible]°20'43", Montgomery County, on right bank at masonry double box bridge on Sterger Street in Norristown, 0.1 mile downstream from dam, 0.7 mile downstream from unnamed left bank tributary, and 1.1 miles upstream from mouth.	20.4	1975	4-19-75	14
*01475555	Hermesprota Creek at Darby, Pa.	Lat 39°54'02", long 75°16'19", Delaware County, on right bank at pipe arch culvert on Linden Ave. in Darby, and 1.7 miles upstream from mouth.	1.01	1975	5-10-75	.53
*01475560	Stony Creek at Prospect Park, Pa.	Lat 39°53'14", long 75°19'00", Delaware County, on left bank at concrete arch culvert and dam on 13th Street in Prospect Park.	2.29	1975	5-11-75	1.1
*01475600	Muckinipattis Creek at Glenolden, Pa.	Lat 39°53'44", long 75°17'20", Delaware County, on left bank at Glenolden Ave. in Glenolden, 1.5 miles upstream from mouth.	3.50	1975	5-10-75	2.2
01475850	Crum Creek near Newtown Square, Pa.	Lat 39°58'35", long 75°26'13", Delaware County, at Castle Rock Bridge on State Highway 3, 0.6 mile upstream from Preston Run, 0.8 mile upstream from Geist Reservoir and 2 miles west of Newtown Square.	15.8	1932 1949 1970-75	4-22-75 9-16-75	21 12
*01476000	Crum Creek at Woodlyn, Pa.	Lat 39°52'44", long 75°20'58", Delaware County, on right bank at bridge on Bullens Lane.	33.3	1931-37# 1975	5-10-75	30
*01476435	Ridley Creek at Dutton Mill, near West Chester, Pa.	Lat 39°58'52", long 75°31'02", Chester County, on left bank at single span highway bridge on Strasburg Road, 0.1 mile west of Dutton Mill and 4.9 miles east of West Chester.	9.70	1975	5-17-75	22
01476500	Ridley Creek at Moylan, Pa.	Lat 39°54'08", long 75°23'32", Delaware County, on upstream left bank of Manchester Road bridge at intersection with Knowltown Road, at Moylan, and 1 mile south of Media.	31.9	1931-37# 1975	5- 5-75	56

* Also a crest-stage partial-record station.
\# Operated as a continuous-record gaging station.

Discharge measurements made at low-flow partial-record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements Date	Measurements Discharge (cfs)
		Delaware River basin--Continued				
*01476836	East Branch Chester Creek near West Chester, Pa.	Lat 39°56'09", long 75°32'29", Chester County, at two-span highway bridge on Street Road, 0.4 mile upstream from Goose Run, 1.1 miles northwest of Cheyney and 3.8 miles southeast of the intersection of State Route 100 and U.S. Highway 202.	10.8	1975	4-26-75	19
*01476853	East Branch Chester Creek near Cheyney, Pa.	Lat 39°55'58", long 75°31'03", Delaware County, at single span concrete and masonry bridge on Station Road, 0.5 mile northeast of Cheyney and 1.5 miles downstream from Goose Run.	22.8	1975	5- 3-75	34
*01476950	West Branch Chester Creek near Chester Heights, Pa.	Lat 39°52'36", long 75°27'05", Delaware County, at single span bridge on Birney Road (SR 23017) at Aston Mills, Aston Township, 1.2 miles upstream from confluence with East Branch and 1.8 miles southeast of Chester Heights.	18.0	1975	5- 3-75	33
01478150	East Branch White Clay Creek at Landenberg, Pa.	Lat 30°46'40", long 75°46'18", Chester County, at county highway bridge at Landenberg, 1.4 miles downstream from Egypt River and 4 miles southeast of West Grove.	25.6	1970-75	4-22-75 9-17-75	43 27
01479700	West Branch Red Clay Creek near Kennett Square, Pa.	Lat 39°48'39", long 75°42'19", Chester County, at county highway bridge on Kaolin Road, 1 mile upstream from East Branch Red Clay Creek, 1.4 miles east of Kaolin and 2.5 miles south of Kennett Square.	17.0	1970-75	4-22-75 9-17-75	26 23

* Also a crest-stage partial-record station.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (cfs)
		Delaware River basin					
01427650	N.B. Calkins Creek near Damascus, Pa.	Lat 41°42'00", long 75°10'00", at concrete bridge on State Highway 371 at West Damascus, 4.0 miles west of Damascus, 4.8 miles above Sunny Brook, and 8.0 miles above mouth.	7.02	1962-64	4- 1-62	6.98	a314
					3-27-63	7.11	a353
					3-10-64	7.20	a380
				1965-73≠			
				1974-75	2-22-74	7.35	a430
					2-24-75	8.01	716
*01427950	W.B. Lackawaxen River near Aldenville, Pa.	Lat 41°40'28", long 75°22'35", Wayne County, at bridge on State Highway 247, 0.3 mile downstream from Johnsons Creek and 2.0 miles northwest of Aldenville. Datum of gage is 1,244.60 ft above mean sea level.	40.6	1975	9-25-75	6.77	2,860
*01429300	Dyberry Creek above Reservoir near Honesdale, Pa.	Lat 41°39'26", long 75°17'12", Wayne County, on right bank, 955 ft downstream from bridge on West Branch Dyberry Creek at Tanners Falls, 0.2 mile downstream from confluence of the east and west branches of Dyberry Creek, and 6 miles north of Dyberry. Datum of gage is 1,023.43 ft above mean sea level.	45.8	1975	9-25-75	9.36	1,500
01430000	Lackawaxen River near Honesdale, Pa.	Lat 41°33'43", long 75°14'54", at Lemnitzer Bridge in Honesdale, Wayne County, on U.S. Highway 6, and 1.2 miles downstream from Dyberry Creek.	164	1949-69≠ 1974-75	9-25-75	6.63	1,990
01431000	Middle Creek near Hawley, Pa.	Lat 41°29'05", long 75°13'20", Wayne County, at bridge on L.R. 63022, 0.1 mile below Red Shale Brook, 2 miles northwest of Hawley, and 2.5 miles above mouth.	79.4	1945-60≠ 1961-75	2-24-75	6.87	2,480
01431680	Mill Brook near Paupack, Pa.	Lat 41°23'15", long 75°14'20", Pike County, at culvert on State Highway 507, 400 ft above mouth, 1.8 miles south of Paupack. Datum of gage is 1,183.84 ft above mean sea level.	4.64	1960-75	2-24-75	6.08	328
01438300	Vandermark Creek at Milford, Pa.	Lat 41°19'35", long 74°47'50", Pike County, at stone bridge on Broad Street in Milford, and 0.4 mile above mouth. Datum of gage is 490.50 ft above mean sea level.	5.36	1962-75	9-25-75	3.65	372
01440300	Mill Creek at Mountainhome, Pa.	Lat 41°09'50", long 75°16'00", Monroe County, at stone-arch bridge on macadam road 0.5 mi east of Mountainhome, and 1.5 miles above mouth.	5.84	1961-75	12- 8-74	9.38	715

/ Not determined.
≠ Operated as a continuous-record station.
* Also low-flow partial-record station.
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Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (cfs)
		Delaware River basin-Continued					
01473980	Wissahickon Creek at Livezey Lane Philadelphia,Pa.	Lat 40°02'59", long 75°12'52", Philadelphia County, on left bank 300 ft upstream from Green Valley Boat Club, 500 ft downstream from Chreshiem Creek in Philadelphia. Datum of gage is 78.55 ft above mean sea level.	59.2	1965-70# 1971-75	3-20-75	5.50	4,040
*01475555	Hermesprota Creek at Darby, Pa.	Lat 39°54'02", long 75°16'19", Delaware County, on right bank at culvert on Linden Avenue in Darby, 1.7 miles upstream from mouth.	1.01	1975	9-26-75	6.68	/
*01475560	Stony Creek at Prospect Park, Pa.	Lat 39°53'14", long 75°19'00", Delaware County, on left bank at culvert and dam on 13th Street in Prospect Park.	2.29	1975	6-13-75	12.71	/
*01475600	Muckinipattis Creek at Glenolden, Pa.	Lat 39°53'44", long 75°17'20", Delaware County, on left bank at Glenolden Avenue in Glenolden, 1.5 miles upstream from mouth.	3.50	1975	6-13-75	6.36	/
*01476000	Crum Creek at Woodlyn, Pa.	Lat 39°52'44", long 75°20'58", Delaware County, on right bank at bridge on Bullens Lane in Woodlyn.	33.3	1931-37# 1975	9-24-75	6.62	/
*01476435	Ridley Creek at Dutton Mill near West Chester, Pa.	Lat 39°58'52", long 75°31'02", Chester County, on left bank at Strasburg Road, 0.1 mile west of Dutton Mill and 4.9 miles east of West Chester.	9.70	1975	7-13-75	5.89	/
*01476836	East Branch Chester Creek near West Chester, Pa.	Lat 39°56'09", long 75°32'29", Chester County, at bridge on Street Road, 0.4 mile upstream from Goose Run, 1.1 miles northwest of Cheyney, and 3.8 miles east of the intersection of Pa. Route 100 and U.S. Highway 202 in West Chester.	7.11	1975	7-21-75	7.11	/
*01476853	East Branch Chester Creek at Cheyney, Pa.	Lat 39°55'58", long 75°31'03", Delaware County, at bridge on Station Road, 0.5 mile northeast of Cheyney, and 1.5 miles downstream from Goose Run.	22.8	1975	7-21-75	10.66	/
*01476950	West Branch Chester Creek near Chester Heights, Pa.	Lat 39°52'36", long 75°27'05", Delaware County, at bridge on Birney Road at Aston Mills, 1.2 miles upstream from confluence with East Branch, and 1.8 miles southeast of Chester Heights.	18.0	1975	7-21-75	6.63	/
01478200	Middle Branch White Clay Creek near Landenberg, Pa.	Lat 39°46'54", long 75°48'03", Chester County, at bridge on L.R. 15017, 1.4 miles above mouth, and 1.7 miles west of Landenberg.	12.7	1960-75	7-13-75	10.48	2,570
01480610	Sucker Run near Coatesville, Pa.	Lat 39°58'20", long 75°51'06", Chester County, at concrete bridge on South Park Avenue at State Highway 372, 1.6 miles above mouth, and 2 miles west of Coatesville.	2.57	1964-75	6-13-75	4.32	/

/ Not determined.
Operated as a continuous-record station.
* Also low-flow partial-record station.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (cfs)
		Delaware River basin--Continued					
*01467948	West Branch Schuylkill River near Cressona, Pa.	Lat 40°38'30", long 76°11'43", Schuylkill County, at bridge on Gordon-Nagle Trail, 0.75 mile upstream from Panther Creek, and 1.0 mile north of Cressona.	52.5	1975	9-26-75	6.74	2,940
*01470190	Little Schuylkill River at Port Clinton, Pa.	Lat 40°35'24", long 76°01'43", Schuylkill County, 0.65 mile upstream from Rattling Run and 0.7 mile north of Port Clinton.	132	1975	7-25-75	6.92	3,860
*01470748	Sacony Creek near Virginville, Pa.	Lat 40°31'27", long 75°51'29", Berks County, at bridge on L.R. 06135, 1.0 mile upstream from mouth, and 1.0 mile east of Virginville.	54.1	1975	9-24-75	7.77	1,720
*01470810	Northkill Creek at Bernville, Pa.	Lat 40°26'22", long 76°07'12", Berks County, at bridge on State Highway 183, 0.3 mile upstream from Little Northkill Creek and 0.7 mile northwest of Bernville.	18.8	1975	9-24-75	5.60	785
*01470818	Little Northkill Creek near Bernville, Pa.	Lat 40°26'33", long 76°07'23", Berks County, at bridge on L.R. 06013, 1.5 miles west of Bernville and 1.6 miles upstream from mouth.	21.2	1975	9-24-75	6.35	1,170
*01470825	Northkill Creek below Little Northkill Creek near Bernville, Pa.	Lat 40°25'42", long 76°06'52", Berks County, at bridge on L.R. 06047, 0.25 mile upstream from mouth, and 0.55 mile downstream from Little Northkill Creek.	42.0	1975	9-24-75	5.93	2,060
*01471800	Pine Creek near Manatawny, Pa.	Lat 40°24'43", long 75°44'02", Berks County, at steel bridge on macadam road, 0.5 mile above mouth, 0.5 mile below West Branch Pine Creek, and 2 miles north of Manatawny.	15.6	1961-75	9-24-75	6.08	467
01473100	Zacharias Creek near Skippack, Pa.	Lat 40°12'26", long 75°21'57", Montgomery County, at concrete weir 1.2 miles above mouth, and 2.2 miles southeast of Skippack.	7.27	1960-75	7-13-75	8.73	3,040
*01473470	Stony Creek at Norristown, Pa.	Lat 40°07'38", long 75°20'43", Montgomery County, on right bank at culvert on Sterger Street in Norristown, 0.1 mile downstream from dam, 0.7 mile downstream from unnamed tributary, and 1.1 miles upstream from mouth.	8.61	1975	7-14-75	8.61	/
01473880	Pine Run tributary at Fort Washington, Pa.	Lat 40°08'13", long 75°11'21", Montgomery County at corrugated half-round culvert on Delaware Road in Fort Washington Industrial Park at Fort Washington, and 300 ft above mouth.	2.01	1962-75	7-13-75	9.45	400
01473900	Wissahickon Creek at Fort Washington, Pa.	Lat 40°07'26", long 75°13'13", Montgomery County, on concrete bridge on State Highway 73, 0.5 mile downstream from Sandy Run, and 1 mile south of Fort Washington.	40.8	1961-68# 1969-75	3-20-75	11.98	3,410

/ Not determined.
Operated as a continuous-record station.
* Also low-flow partial-record station.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (cfs)
*01440900	McMichael Creek near Stroudsburg, Pa.	Lat 40°58'04", long 75°13'08", Monroe County, at bridge on Dreher Ave. two miles southwest of Stroudsburg, 3.2 miles upstream from mouth of Brodhead Creek.	63.9	1975	12- 8-74	6.64	2,090
*01450455	Buckwha Creek at Little Gap, Pa.	Lat 40°49'21", long 75°32'04", Carbon County, at bridge on L.R. 13035, 0.35 mile upstream from mouth and 0.75 mile south of Little Gap.	42.5	1975	2-24-75	7.84	/
01452300	East Branch Monocacy Creek near Bath, Pa.	Lat 40°43'10", long 75°22'10", Northampton County, on left bank 25 ft downstream from bridge on L.R. 40863, 1.5 miles southeast of Bath, and 2.5 miles upstream from mouth. Datum of gage is 372.06 ft above mean sea level.	5.35	1962-68# 1969-75	9-24-75	5.34	352
01454600	Polk Valley Run at Hellertown, Pa.	Lat 40°34'05", long 75°19'45", Northampton County, at concrete bridge on L.R. 48093, 0.7 mile above mouth, and 1.5 miles southeast of Hellertown.	2.14	1963-75	7-14-75	4.73	117
*01458900	Tinicum Creek near Ottsville, Pa.	Lat 40°28'14", long 75°08'13", Bucks County, at concrete bridge on gravel road, 0.9 mile below confluence of Rapp Creek, 1.5 miles east of Ottsville, and 5.3 miles above mouth.	14.7	1962-75	7-14-75	7.20	4,040
01465780	Poquessing Creek above Byberry Creek at Philadelphia, Pa.	Lat 40°14'10", long 74°58'33", Philadelphia County, on left bank 2,200 ft upstream from Byberry Creek, Philadelphia. Datum of gage is 17.26 ft above mean sea level.	13.2	1965-70# 1971-75	3-19-75	7.10	1,440
01465795	Byberry Creek at Grant Avenue Philadelphia, Pa.	Lat 40°03'45", long 74°59'47", Philadelphia County, on left bank 120 ft upstream from Grant Avenue Bridge, 1,300 ft west of Frankford Avenue, Philadelphia. Datum of gage is 26.17 ft above mean sea level.	7.13	1964-70# 1971-75	3-19-75	.69	/
01467043	Stream "A" at Philadelphia, Pa.	Lat 40°05'27", long 75°03'50", Philadelphia County, at concrete-box culvert on Bloomfield Avenue in Philadelphia, Pa.	1.20	1965-75	7-13-75	18.03	663
01467045	Pennypack Creek below Verree Road, Philadelphia, Pa.	Lat 40°05'04", long 75°03'34", Philadelphia County, on left bank 600 ft downstream from Verree Road and 1 mile downstream from Rockledge Branch, Philadelphia. Datum of gage is 67.26 ft above mean sea level.	42.8	1964-70# 1971-75	7-13-75	11.20	3,460
*01467500	Schuylkill River at Pottsville, Pa.	Lat 40°40'53", long 76°11'25", Schuylkill County, at bridge on State Highway 61 at Pottsville, and 1.7 miles downstream from Mill Creek.	53.4	1975	9-26-75	7.29	1,850

/ Not determined.
Operated as a continuous-record station.
* Also low-flow partial-record station.

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a square (■).

Discharge measurements made at miscellaneous sites during water year 1975

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements Date	Measurements Discharge (cfs)
		Delaware River Basin				
Shohola Creek	Delaware River	Lat 41°27'20", long 74°55'25", Pike County, 1.4 miles above mouth and 1.4 miles south of Shohola.	83.6	1920-28+ 1957 1959-67 1969-74	5-28-75	199
					6- 5-75	136
					6-23-75	70
Jordan Creek	Little Lehigh Creek	Lat 40°39'55", long 75°41'19", Lehigh County, at bridge on rural road, 1.3 mi south at Pleasant Corners.	14.3	1973-74	3- 3-75	31
					9-25-75	182
Switzer Creek	Jordan Creek	Lat 40°39'34", long 75°41'33", Lehigh County, at bridge on rural road, 0.25 mi upstream from mouth and 1.7 mi south of Pleasant Corners.	8.43	1967 1973-74	10-24-74	4.7
					3- 3-75	23
Lyon Creek	Jordan Creek	Lat 40°37'30", long 75°40'27", Lehigh County, at bridge on rural road, 0.4 mi southwest of Lyon Valley.	7.52	1973-74	10-24-74	6.2
					3- 3-75	19
Mill Creek	Jordan Creek	Lat 40°40'35", long 75°38'25", Lehigh County, at bridge on State Highway 309, 2.0 mi west of Schnecksville.	5.19	1973-74	10-24-74	3.4
					12-13-74	12
					1-28-75	18
North Branch Neshaminy Creek	Neshaminy Creek	Lat 40°18'44", long 75°12'28", Bucks County, at stone arch highway bridge 4.1 miles west of Doylestown.	-	-	1-10-75	187
Sacony Creek	Maiden Creek	Lat 40°28'13", long 75°43'00", Berks County, along south side of Bowers-Henningsville Road, 0.5 mile east of Sally Ann, 0.8 mile upstream from Little Sacony Creek, and 1.8 miles southeast of Bowers.	3.32	-	7-31-74	2.6
					9-26-74	1.6
					11-14-74	4.2
					1-22-75	6.8
					3-12-75	25
					5-14-75	3.9
					5-21-75	7.8
Little Sacony Creek	Sacony Creek	Lat 40°27'50", long 75°43'40", Berks County, along west side of dirt road off Bowers-Fredericksville Road, 0.5 mile upstream from mouth, 0.6 mile south of Sally Ann, and 1.8 miles south of Bowers.	.97	-	7-31-74	.55
					9-27-74	.92
					11-14-74	1.1
					1-22-75	2.4
					3-12-75	7.1
					5-14-75	2.0
					5-21-75	3.1
Sacony Creek	Maiden Creek	Lat 40°29'20", long 75°44'45", Berks County, at bridge on secondary road, 0.2 mile northwest of Bowers.	7.73	-	7-30-74	2.9
					9-25-74	3.4
					11-13-74	7.7
					1-22-75	13
					3-12-75	13
					5-13-75	14
					5-21-75	12
Sacony Creek tributary	Sacony Creek	Lat 40°29'23", long 75°44'05", Berks County, at bridge on Bowers-Topton Road, 1 mile east of Bowers, 1.2 miles upstream from mouth, and 1.3 miles southwest of Topton.	1.26	-	7-31-74	.58
					9-26-74	4.2
					11-14-75	.47
					1-22-75	1.3
					3-12-75	2.0
					5-14-75	4.5
					5-21-75	2.5
Sacony Creek	Maiden Creek	Lat 40°29'42", long 75°45'07", Berks County, at north side of secondary road, 0.6 mile northwest of Bowers and 1 mile northeast of Lyons.	10.6	-	7-30-74	4.8
					9-25-74	3.7
					11-13-74	9.3
					1-21-75	17
					3-11-75	14
					5-13-75	16
					5-22-75	12

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements Date	Measurements Discharge (cfs)
		Delaware River basin--Continued				
Sacony Creek	Maiden Creek	Lat 40°31'27", long 75°47'03", Berks County, at bridge on secondary road 0.1 mile downstream from Kutztown borough boundary, 0.3 mile upstream from sewage treatment plant, and 0.5 mile northwest of center of Kutztown.	21.6	-	7-30-74	14
					9-25-74	10
					11-13-74	17
					1-21-75	23
					3-11-75	35
					5-13-75	36
					5-22-75	25
Sacony Creek	Maiden Creek	Lat 40°31'55", long 75°47'08", Berks County, at bridge on reservoir road, 0.3 mile downstream from sewage treatment plant, 0.7 mile downstream from Kutztown borough boundary, and 1 mile northwest of Kutztown.	23.0	-	7-30-74	15
					9-24-74	12
					11-13-74	23
					1-21-75	24
					3-11-75	38
					5-13-75	46
					5-22-75	30
Sacony Creek	Maiden Creek	Lat 40°32'12", long 75°47'57", Berks County, at Greenwich Bridge, 250 ft upstream from Mill Creek, 0.5 mile downstream from dam, and 1.7 miles northwest of Kutztown.	23.4	-	7-30-74	17
					9-24-74	13
					11-13-74	29
					1-21-75	24
					3-11-75	40
					5-13-75	44
					5-22-75	28
Tulpehocken Creek tributary	Tulpehocken Creek	Lat 40°25'36", long 76°10'01", Berks County, 0.65 mi upstream from mouth and 2.3 mi northwest of Host.	-	1970-74	10-18-74	.49
					10-21-74	.45
					11-11-74	.26
					1-21-75	1.6
					4-10-75	2.1
					5-27-75	.86
					6-16-75	1.4
					7-16-75	3.1
					9-23-75	2.4
Tulpehocken Creek	Schuylkill River	Lat 40°25'35", long 76°06'45", Berks County, at bridge on LR 06047, 600 ft upstream from Northkill Creek and 0.5 mi south of Bernville.	84.8	1972-74	10-31-74	46
					3- 6-75	184
Licking Creek	Tulpehocken Creek	Lat 40°24'34", long 76°03'44", Berks County, at culvert on dirt road, 0.8 mi upstream from mouth, and 3.3 mi southeast of Bernville.	2.81	1973-74	10-31-74	1.2
					3- 6-75	6.7
Spring Creek	Tulpehocken Creek	Lat 40°23'24", long 76°04'40", Berks County, at bridge on county road, 1.5 mi upstream from mouth, and 3.8 mi southeast of Bernville.	12.0	1973-74	3- 6-75	53.7
					3- 6-75	57.3
Pigeon Creek	Schuylkill River	Lat 40°12'03", long 75°32'10", Chester County, at bridge on Ellis Woods Road, 1.8 miles west of Parker Ford and 3.0 miles upstream from mouth.	12.0	1970-74	10- 3-74	4.1
Stony Creek	Schuylkill River	Lat 40°10'01", long 75°32'57", on downstream side of Pikeland Avenue bridge, 0.3 mile south of Spring City, Chester County, and about 2.2 miles upstream from mouth.	4.07	1971-73	10- 3-74	1.8
Pigeon Run	Pickering Creek	Lat 40°05'37", long 75°34'54", at concrete bridge on Pikeland Road (map shows Church Road) 0.7 mi south of Merlin and 3.5 miles west of Phoenixville.	28.5	1967-68	3-13-[illegible]	[illegible].3
					9-12-[illegible]	2[illegible]
Pickering Creek	Schuylkill River	Lat 40°06'33", long 75°31'42", on right bank 15 feet downstream from steel and timber bridge on Creek Road at State Highway 29, 0.3 mile downstream from Pennsylvania Railroad Bridge, 1 mile south of Phoenixville, Chester County, and 2.6 miles upstream from Pickering Creek Reservoir.	31.4	1966-68 1972-73	[illegible]-13-75	56

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements Date	Measurements Discharge (cfs)
		Delaware River basin--Continued				
Valley Creek	Schuylkill River	Lat 40°04'53", long 75°27'25", Chester County, at bridge on Wilson Road, 1 mile south of Valley Forge, 1.3 miles upstream from mouth and 5 miles west of Norristown.	22.0	1972-73	11- 8-74 11-27-74 3-13-75 9-12-75	17 20 35 24
		Elk River Basin				
Big Elk Creek	Elk River	Lat 39°44'08", long 75°52'33", Chester County, at Fergusons Bridge (No. 35) on State Highway 841, 0.9 mile north of Lewisville.	31.2	-	4-26-75 7-30-75 9-24-75	104 53 181
Little Elk Creek	Elk River	Lat 39°43'13", long 75°53'50", Cecil County, Maryland at single span highway bridge on Lewisville, Pa.-Blake, Md. road, 1.2 miles west of Lewisville, Pa. and 2.2 miles northwest of Providence, Md.	13.4	-	4-26-75 7-30-75 9-24-75	48 16 70

Jordan Creek seepage investigations - Lowhill to Allentown, Pa.

Two series of measurements were made during the 1975 water year, July 8, 9, and September 10, on Jordan Creek and Hassen Creek in Pennsylvania, to study channel gains and losses. The reach is 22.4 miles in length and extends from a partial-record station at Lowhill (01451000) to the gaging station at Allentown (01452000). The measurements were made during periods of constant base flow of the streams; for three days before the investigations no measurable precipitation had fallen. Tributary flow was considered a contribution and not a gain. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements.

Jordan Creek mile	Stream	Drainage area	Location	Discharge, in cubic feet per second			
				Meas. disch.	Gain or Loss	Meas. disch.	Gain or Loss
				July 8, 9, 1975		September 10, 1975	
26.8	Jordan Creek	23.0	U.S. Highway 309 at Lowhill	19.0	-	5.58	-
18.8	.....do.....	53.0	Gaging station near Schnecksville	47.8	+28.8	15.4	+9.82
15.4	.....do.....	55.4	At Kernsville-Lowhill Rd nr Kernsville	53.8	+ 6.00	16.1	+ .70
14.5	.....do.....	57.2	At Kernsville	46.0	- 7.80	15.6	- .50
14.0	.....do.....	57.4	110 ft upstream from Hassen Creek nr Kernsville	48.5	+ 2.50	15.5	- .10
-	Hassen Creek	7.70	At mouth	5.01	-	1.55	-
12.1	Jordan Creek	68.8	At old Mill Dam nr Guthsville	47.0	- 6.51	12.2	-4.85
10.1	.....do.....	71.8	At Cedar Crest Boulevard nr Myersville	45.3	- 1.70	13.1	+ .90
7.1	.....do.....	74.2	At 15th Street at Schererville	50.4	+ 5.10	9.55	-3.55
4.4	.....do.....	75.8	Gaging station at Allentown	55.1	+ 4.70	14.8	+5.25
	Net gain or loss:		Mile 26.8 to 4.4		+36.1		+9.22
			Mile 18.8 to 4.4		+ 7.3		- .60

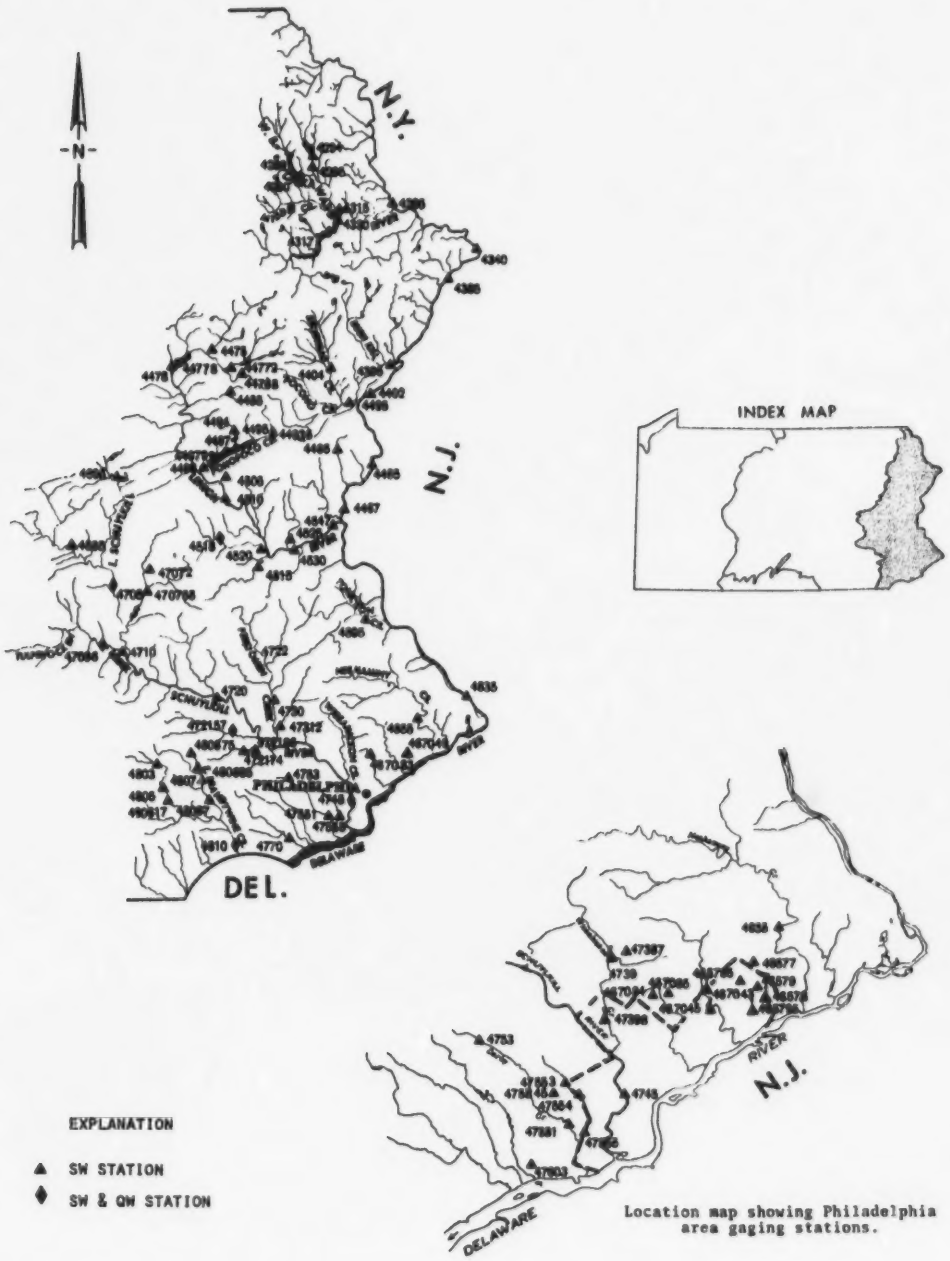

Figure 3.—Map showing locations of gaging stations.

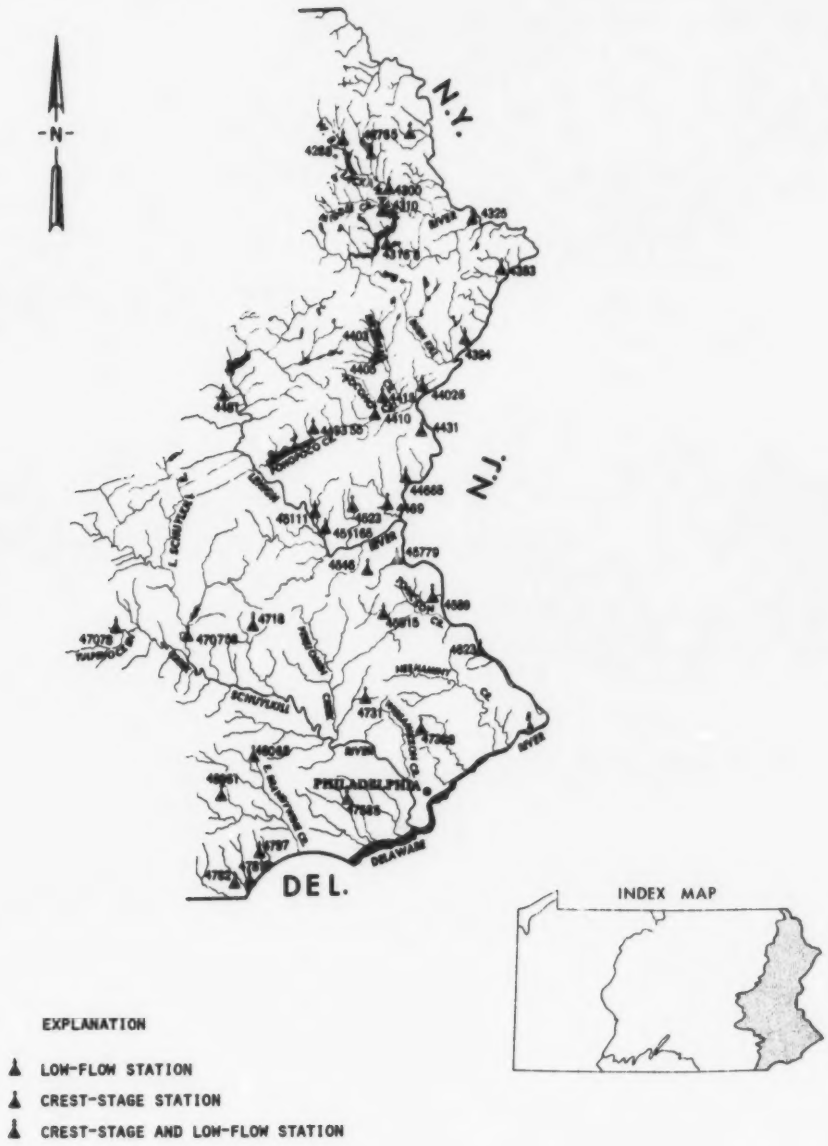

Figure 4.--Map showing locations of partial-record stations.

SECTION 2. WATER-QUALITY RECORDS

DELAWARE BAY

01412350 DELAWARE BAY AT SHIP JOHN SHOAL LIGHTHOUSE, N.J.

LOCATION.--Lat 39°18'19", long 75°22'37", Cumberland County, water-quality recorder on lightship in bay opposite Bombay Hook Island, Del., and 3 mi (4.8 km) south southwest of mouth of Cohansey River, N.J.

PERIOD OF RECORD.--Chemical analyses: April 1969 to September 1975.
Water temperatures: February 1970 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 31,300 micromhos April 9; minimum, 3,090 micromhos April 4.
Water temperatures: Maximum, 29.0°C Aug. 3; minimum, 1.5°C Feb. 15.

Period of record:
Specific conductance (1968-75): Maximum, 32,800 micromhos Feb. 10, 1970; minimum, 1,500 micromhos Mar. 4, 1971.
Water temperatures: Maximum, 30.0°C Aug. 1, 1970; minimum, 0.5°C Feb. 9, 15, 1970.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25200	18300	22800	27900	22700	25400	---	---	---	22500	16100	19500
2	25100	20500	23200	27600	22700	24900	---	---	---	23000	12800	17400
3	25400	19500	22800	28100	23600	25500	---	---	---	23100	15600	19300
4	26700	18700	23200	27400	23000	25400	---	---	---	22400	16400	20100
5	25700	19600	23300	27100	22500	24800	---	---	---	22200	15800	19600
6	24800	18800	22400	27400	22400	24700	---	---	---	23500	15000	20400
7	25200	18600	22300	29500	23200	25700	---	---	---	23100	15600	19900
8	26900	19800	23000	30900	24300	27600	---	---	---	23300	16900	20400
9	27200	20700	24200	30600	24200	28500	---	---	---	23800	17500	20600
10	26000	19700	24000	31100	26200	29200	---	---	---	24800	16100	21000
11	27600	20400	24100	31100	26700	---	---	---	---	24200	16800	20200
12	26700	19200	24400	---	---	---	23300	14600	---	20600	12700	17400
13	27400	21600	24500	---	---	---	23200	15400	19200	20900	13100	17500
14	28300	22700	25500	---	---	---	23100	14800	19000	18700	10700	15000
15	26700	21200	24100	---	---	---	23000	13700	18900	18000	8920	14000
16	26900	21200	23800	---	---	---	26700	16500	21600	17600	8830	13500
17	27600	21400	23900	---	---	---	20900	12000	17200	14700	8190	12000
18	26400	20800	23300	---	---	---	19000	8610	14100	18300	10100	14100
19	26900	19900	23900	---	---	---	18300	8210	13700	17400	10200	14000
20	25900	20700	23700	---	---	---	17600	10100	13900	17000	11600	14200
21	25600	19600	23100	---	---	---	20400	11800	15900	20100	7590	14900
22	25600	17400	22300	---	---	---	19700	11000	15700	22400	9960	15700
23	25700	17500	22100	---	---	---	20700	10000	16100	21400	11900	17300
24	28100	19600	23600	---	---	---	20800	10800	16400	21900	13400	18800
25	27900	19300	24200	---	---	---	21600	13900	18500	23900	17200	20700
26	26500	20500	23900	---	---	---	22400	14300	19200	23200	14900	18700
27	26400	22400	24400	26500	20000	---	23800	16800	20500	20000	11600	15400
28	27700	23500	25800	27600	23200	---	23500	18200	20400	22200	13600	17500
29	28300	22700	26100	---	---	---	23500	18200	20600	22500	12600	17400
30	27200	23500	25500	---	---	---	23900	17000	20200	17800	10300	14500
31	27900	23500	25500	---	---	---	24000	17000	20200	19600	11300	15700
MONTH	28300	17400	23840	---	---	---	---	---	---	24800	7590	17310

01412350 DELAWARE BAY AT SHIP JOHN SHOAL LIGHTHOUSE, N.J.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19000	11300	15400	13500	4700	8270	15200	6860	11500	23300	16100	19700
2	17300	10700	14500	12100	5120	8540	15900	7690	12600	22200	14900	19400
3	16100	8770	13100	12400	4310	8250	18600	3410	12100	22500	14400	19000
4	17000	8990	13500	12500	6000	9010	16700	3090	9410	22100	14300	18800
5	22500	11700	16700	16900	6480	10800	26500	10900	18500	22400	14100	18900
6	20600	11700	16600	18400	8520	13200	27200	21400	24400	23500	12700	18900
7	20600	12800	16700	18300	10000	14400	29400	22200	25500	21900	13500	18800
8	20000	11600	16700	18700	12000	15000	30400	22600	26200	21900	13400	18400
9	18300	11300	16000	19500	13600	16300	31300	22500	27200	22700	14600	19200
10	20400	13000	16900	21400	12700	18000	30900	25400	28000	23300	14100	19100
11	21800	14500	18500	23000	15600	19600	30600	24800	27200	22700	15900	18400
12	22400	15700	19400	23100	18000	20400	29200	23500	26600	21600	14200	17900
13	20800	12700	17700	22400	17500	20100	28100	22100	25200	21000	13800	16800
14	19300	11300	15700	24200	18300	21300	27100	19200	24400	19400	11300	16300
15	21000	14400	17400	23500	16900	20100	27700	17500	---	20700	12400	16700
16	22100	15200	18900	22200	16200	19300	---	---	---	19300	11900	15600
17	21500	15800	19100	22100	16100	19400	---	---	---	17700	11700	14700
18	23000	15400	19500	23300	14900	19500	---	---	---	18000	11800	14900
19	21400	14000	18800	23500	16800	20200	---	---	---	17500	11400	14900
20	21500	12100	17900	20800	9420	15300	---	---	---	17300	10100	14500
21	22400	11800	18100	16800	8070	12400	22600	17800	---	18200	11100	14900
22	22500	13600	19100	16700	8670	13300	26400	17700	22000	20100	12400	15500
23	23200	14300	19800	17900	6650	13100	26400	18600	22400	20800	12300	15700
24	24300	16300	20300	18700	8020	14300	25100	18400	21900	20400	11400	155[illegible]0
25	21600	13300	17600	17100	10800	14000	26200	18400	21400	20100	13400	16200
26	16200	5160	11000	15500	6040	10900	24300	16700	20500	20700	13100	16700
27	13600	4340	8060	16500	6740	10700	25700	16100	20300	20000	12400	16300
28	13500	4530	8480	18200	8740	12900	24200	15600	21100	18600	13500	16200
29	---	---	---	19700	10100	14900	24000	15400	20800	20100	12200	16100
30	---	---	---	20400	9960	15000	24800	16100	20500	20100	12400	16500
31	---	---	---	14900	6480	11400	---	---	---	19300	12500	16100
MONTH	24300	4340	16480	24200	4310	14630	31300	3090	---	23500	10100	16990

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18000	10400	15100	21900	13100	16700	21200	10900	16200	26000	21900	24300
2	17600	8240	13900	22500	9810	---	23000	10900	17700	25700	20800	23400
3	20900	9250	15000	---	---	---	23900	13700	19300	25900	20100	22800
4	20800	10400	15500	---	---	---	25100	15400	20600	26200	21300	23500
5	24300	11700	18300	---	---	---	25400	18800	22200	27100	21200	23500
6	23000	15700	19600	---	---	---	25700	19200	22700	25200	20900	23100
7	21800	15000	18400	---	---	---	28100	20100	23500	26400	19900	23100
8	25700	14600	19000	---	---	---	27600	19100	23300	26500	16300	23200
9	26000	15900	20200	---	---	---	27400	20000	23400	26000	19900	22900
10	24000	16200	20500	---	---	---	26900	19600	23300	25900	20700	23200
11	25200	15600	19500	---	---	---	25900	20400	23400	25100	20300	22300
12	23500	14100	18000	---	---	---	26000	21000	23500	23100	18600	21200
13	19500	13000	16600	---	---	---	25900	21000	23600	23500	16900	20400
14	19500	12400	16100	---	---	---	25400	19000	22600	24200	18500	21100
15	19000	12300	15700	---	---	---	24500	18600	---	25600	18600	21700
16	17100	11300	14500	---	---	---	---	---	---	24900	19200	22100
17	16800	11100	14100	---	---	---	---	---	---	24800	19200	22200
18	17300	9880	14100	---	---	---	---	---	---	26200	20300	23200
19	18800	10600	14100	---	---	---	---	---	---	25100	21000	23100
20	20300	10400	13900	---	---	---	---	---	---	23900	19300	22500
21	20300	11300	15100	---	---	---	---	---	---	24600	19300	22200
22	19300	11600	15400	---	---	---	---	---	---	24500	20600	22700
23	18000	10700	14300	14400	9810	---	---	---	---	24300	19800	22400
24	14600	11800	13900	17600	9460	13700	---	---	---	24000	18900	21800
25	17900	11600	14700	17100	9250	13200	---	---	---	23000	17800	20500
26	20100	12200	16100	15600	9880	13100	---	---	---	21400	13500	18500
27	19500	12800	16400	18500	10400	14500	---	---	---	19400	10300	14500
28	20100	11800	16300	14400	9020	14200	---	---	---	18700	7190	12400
29	19500	12500	16300	18400	9630	14500	24200	18300	---	19300	6980	13200
30	20000	14100	16800	19400	10600	15000	23800	18400	21300	19700	9220	14600
31	---	---	---	19500	12100	15500	26700	20800	23400	---	---	---
MONTH	26000	8240	16270	---	---	---	---	---	---	27100	6980	21190

01412350 DELAWARE BAY AT SHIP JOHN SHOAL LIGHTHOUSE, N.J.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	20.0	20.0	15.0	14.0	14.5	---	---	---	5.5	5.0	5.0
2	20.0	19.0	19.5	15.0	14.5	14.5	---	---	---	5.0	4.5	5.0
3	19.0	18.0	18.0	15.0	14.5	15.0	---	---	---	5.0	4.0	4.5
4	18.0	16.5	17.0	15.0	15.0	15.0	---	---	---	5.0	4.5	5.0
5	17.0	16.5	16.5	15.0	15.0	15.0	---	---	---	5.0	4.5	4.5
6	17.0	16.5	16.5	15.0	15.0	15.0	---	---	---	4.5	4.5	4.5
7	17.0	16.5	16.5	15.0	14.5	14.5	---	---	---	5.0	4.5	4.5
8	16.5	16.5	16.5	14.5	13.5	14.0	---	---	---	5.0	4.5	5.0
9	16.5	16.0	16.5	13.5	13.5	13.5	---	---	---	5.0	5.0	5.0
10	17.0	16.0	16.5	13.5	13.0	13.5	---	---	---	5.5	5.0	5.0
11	17.0	16.0	16.5	13.0	13.0	---	---	---	---	5.5	5.0	5.5
12	17.0	16.5	16.5	---	---	---	6.0	5.5	---	6.0	5.5	5.5
13	17.0	16.5	17.0	---	---	---	6.0	5.5	5.5	5.5	5.5	5.5
14	17.0	16.5	17.0	---	---	---	6.0	5.5	5.5	5.5	4.5	5.0
15	17.0	17.0	17.0	---	---	---	5.5	5.0	5.5	4.5	4.0	4.5
16	17.0	16.5	17.0	---	---	---	6.0	5.5	5.5	4.5	4.0	4.0
17	17.0	16.5	16.5	---	---	---	6.0	5.5	6.0	4.0	3.5	4.0
18	16.5	16.0	16.5	---	---	---	6.0	5.5	5.5	3.5	3.5	3.5
19	16.0	15.0	15.5	---	---	---	5.5	5.0	5.5	4.0	3.5	3.5
20	15.0	14.5	14.5	---	---	---	5.5	5.0	5.0	4.0	3.0	3.5
21	14.0	13.0	13.5	---	---	---	5.5	5.0	5.5	3.0	3.0	3.0
22	13.0	12.0	13.0	---	---	---	5.5	5.0	5.0	3.5	3.0	3.0
23	13.0	13.0	13.0	---	---	---	5.5	5.0	5.0	3.5	3.0	3.0
24	13.0	13.0	13.0	---	---	---	6.0	5.0	5.5	4.0	3.0	3.5
25	13.5	13.0	13.0	---	---	---	5.5	5.0	5.5	4.0	3.5	4.0
26	13.5	13.0	13.0	---	---	---	5.5	5.0	5.0	4.0	4.0	4.0
27	13.5	13.0	13.0	8.0	8.0	---	5.0	5.0	5.0	4.0	3.5	4.0
28	13.5	13.0	13.0	8.0	8.0	---	5.5	5.0	5.0	4.0	4.0	4.0
29	13.5	13.5	13.5	---	---	---	5.0	5.0	5.0	4.5	4.0	4.0
30	14.0	13.5	13.5	---	---	---	5.5	5.0	5.0	4.5	3.0	4.5
31	14.5	13.5	14.0	---	---	---	5.5	5.0	5.0	4.5	3.0	4.0
MONTH	20.5	12.0	15.5	---	---	---	---	---	---	6.0	3.0	4.5

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.5	4.0	4.0	6.0	5.5	5.5	8.0	7.0	8.0	13.0	13.0	13.0
2	4.0	4.0	4.0	5.5	5.0	5.5	8.0	8.0	8.0	13.0	13.0	13.0
3	4.0	3.5	3.5	5.0	5.0	5.0	8.5	8.0	8.0	13.5	13.0	13.0
4	3.5	3.0	3.0	5.0	4.5	5.0	8.0	7.0	8.0	13.5	13.0	13.0
5	3.0	3.0	3.0	5.5	3.5	4.5	7.0	6.0	6.5	13.5	13.0	13.0
6	3.5	3.0	3.5	5.5	4.5	5.0	6.5	5.5	6.0	14.5	13.0	13.5
7	3.5	3.0	3.5	5.5	5.0	5.5	6.5	5.5	6.0	14.5	13.5	14.0
8	3.0	3.0	3.0	5.5	5.0	5.5	6.5	6.0	6.5	15.0	13.5	14.5
9	3.0	3.0	3.0	5.0	4.5	4.5	7.0	6.5	6.5	15.5	14.5	14.5
10	3.0	3.0	3.0	4.5	4.5	4.5	7.0	6.5	6.5	15.5	14.5	15.0
11	3.0	3.0	3.0	4.5	4.5	4.5	8.0	6.5	7.0	15.5	15.0	15.0
12	3.0	3.0	3.0	4.5	4.5	4.5	8.0	7.0	7.5	16.5	15.5	16.0
13	3.0	2.0	3.0	5.0	4.5	5.0	8.0	7.0	7.5	17.0	16.0	16.5
14	3.0	2.0	2.0	5.0	4.5	4.5	8.5	8.0	8.0	18.0	16.5	17.0
15	3.0	1.5	2.0	5.0	4.5	5.0	8.0	8.0	---	18.0	17.0	17.5
16	3.0	2.0	2.5	5.0	4.5	5.0	---	---	---	18.5	18.0	18.0
17	3.0	3.0	3.0	6.0	5.0	5.0	---	---	---	18.5	18.0	18.0
18	3.0	3.0	3.0	5.5	5.0	5.0	---	---	---	18.5	18.0	18.5
19	3.5	3.0	3.0	6.0	5.5	6.0	---	---	---	19.5	18.0	18.5
20	4.5	3.0	3.5	6.5	6.0	6.0	---	---	---	20.5	18.5	19.5
21	4.0	3.5	4.0	7.0	6.0	6.5	10.5	10.0	---	20.5	19.5	20.0
22	5.0	4.0	4.0	8.0	6.5	7.0	11.0	10.0	10.5	21.0	20.0	20.0
23	4.5	4.0	4.5	8.0	7.0	7.5	11.0	10.0	10.5	21.5	20.5	21.0
24	5.0	4.5	4.5	8.0	8.0	8.0	11.0	10.5	11.0	22.0	21.0	21.5
25	5.0	5.0	5.0	8.0	8.0	8.0	12.0	11.5	11.5	22.0	21.0	21.5
26	5.5	5.0	5.0	8.0	8.0	8.0	12.0	11.5	11.5	21.5	20.5	21.0
27	5.5	5.0	5.5	8.0	7.0	8.0	12.0	11.5	12.0	22.0	21.0	21.5
28	6.0	5.0	5.5	8.0	6.5	7.0	13.0	12.0	12.0	23.0	21.5	22.0
29	---	---	---	8.0	7.0	7.5	13.0	12.0	12.5	23.0	21.5	22.0
30	---	---	---	8.0	7.0	7.5	13.0	12.0	12.5	23.0	21.5	22.0
31	---	---	---	8.0	7.0	7.5	---	---	---	23.5	22.0	22.5
MONTH	6.0	1.5	3.5	8.0	3.5	6.0	13.0	5.5	---	23.5	13.0	17.5

01412350 DELAWARE BAY AT SHIP JOHN SHOAL LIGHTHOUSE, N.J.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	23.0	23.0	25.0	24.0	24.5	28.0	26.5	27.5	24.5	23.5	24.0
2	23.5	23.0	23.0	25.0	24.0	---	28.5	26.5	27.5	24.5	23.0	23.5
3	24.0	23.0	23.5	---	---	---	29.0	26.5	28.0	24.0	23.0	23.5
4	23.5	23.0	23.0	---	---	---	28.5	26.5	28.0	23.5	23.0	23.0
5	23.5	23.0	23.0	---	---	---	28.5	27.0	28.0	23.5	23.0	23.0
6	23.5	23.0	23.0	---	---	---	28.0	26.5	28.0	23.5	23.0	23.5
7	23.0	22.0	23.0	---	---	---	27.0	26.0	26.5	23.5	23.0	23.0
8	22.0	21.0	22.0	---	---	---	26.0	25.5	26.0	23.5	23.0	---
9	23.0	21.0	21.5	---	---	---	26.5	25.5	26.0	23.5	23.0	---
10	22.0	21.0	21.5	---	---	---	26.5	25.5	26.0	23.5	23.0	23.0
11	22.0	21.0	21.5	---	---	---	26.5	26.0	26.0	23.0	22.0	22.5
12	21.5	21.0	21.5	---	---	---	26.5	26.0	26.0	23.0	22.0	22.5
13	23.0	21.0	22.0	---	---	---	27.0	26.0	26.5	23.0	21.0	22.0
14	23.0	21.5	22.5	---	---	---	26.5	26.0	26.5	22.0	20.0	21.0
15	23.0	22.0	23.0	---	---	---	26.5	26.5	---	21.0	20.0	20.5
16	23.5	23.0	23.5	---	---	---	---	---	---	21.0	20.0	20.0
17	24.0	23.5	23.5	---	---	---	---	---	---	21.0	20.0	---
18	25.0	23.5	24.0	---	---	---	---	---	---	20.5	20.0	20.0
19	25.5	24.0	24.5	---	---	---	---	---	---	20.5	20.0	20.0
20	25.5	24.5	25.0	---	---	---	---	---	---	20.5	20.0	---
21	26.0	24.5	25.0	---	---	---	---	---	---	21.0	20.0	---
22	25.0	24.5	24.5	---	---	---	---	---	---	21.0	20.0	20.5
23	26.0	24.5	25.0	28.5	28.0	---	---	---	---	20.5	19.5	20.0
24	26.0	25.0	25.5	28.0	28.0	28.0	---	---	---	20.5	19.5	20.0
25	26.5	25.5	26.0	28.0	28.0	28.0	---	---	---	20.5	19.5	20.0
26	26.0	25.5	25.5	28.0	27.0	27.5	---	---	---	20.5	20.0	---
27	25.5	25.0	25.0	28.0	27.0	27.0	---	---	---	20.5	20.0	---
28	26.0	25.0	25.0	28.0	26.5	27.0	---	---	---	20.5	19.5	20.0
29	26.0	25.0	25.5	28.0	26.5	27.0	26.5	25.5	---	20.5	19.5	20.0
30	25.5	25.0	25.5	28.0	26.5	27.0	26.0	25.0	25.5	21.0	19.5	20.0
31	---	---	---	28.5	26.5	27.0	26.0	24.0	25.0	---	---	---
MONTH	26.5	21.0	23.5	---	---	---	---	---	---	24.5	19.5	---

01421500 EAST BRANCH DELAWARE RIVER AT HANCOCK, N.Y.

LOCATION.--Lat 41°57'10", long 75°16'37", Delaware County, at former gaging station on bridge on State Highway 97 in Hancock and 1.2 mi (1.9 km) upstream from confluence with West Branch.

DRAINAGE AREA.--838 mi^2 (2,170 km^2).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).
Biological analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
NOV.											
01...	0830	560	1.3	6.3	1.1	1.9	.4	14	0	11	13
DEC.											
05...	0835	960	--	5.1	1.0	--	--	12	0	10	--
JAN.											
09...	1440	1100	2.4	6.3	1.3	2.7	.6	12	0	10	7.6
MAR.											
12...	1720	900	--	6.0	1.1	--	--	11	0	9	--
APR.											
23...	1405	1700	1.5	6.0	1.0	1.5	.5	10	0	8	7.6

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
NOV.											
01...	2.8	.1	.09	.00	.09	.07	.02	.09	.18	.00	.00
DEC.											
05...	--	--	.29	.00	.29	.06	.31	.37	.66	.03	.02
JAN.											
09...	3.9	.1	.32	.00	.32	.04	.06	.10	.42	.03	.01
MAR.											
12...	--	--	.38	.01	.39	.03	.11	.14	.53	.02	.04
APR.											
23...	2.9	.1	.34	.01	.35	.02	.07	.09	.44	.01	.01

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
NOV.										
01...	2	42	59	7.6	11.0	10.4	95	.4	.6	812
DEC.										
05...	4	42	62	7.6	.0	14.0	97	1.0	.5	81000
JAN.										
09...	2	44	64	7.6	1.0	14.1	100	.8	.5	81800
MAR.										
12...	2	38	74	7.3	1.0	15.1	107	.8	.9	81000
APR.										
23...	0	29	51	7.0	11.0	12.6	116	.6	1.6	8290

01421500 EAST BRANCH DELAWARE RIVER AT HANCOCK, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Nov 01	0830	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Chlamydomonas	23	3	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Achnanthes	509	67	
		....Epithemia	23	3	
		....Navicula	76	10	
		....Nitzschia	23	3	
		....Synedra	76	10	
		OTHER	30	4	
		TOTAL	760		
Dec 05	0835	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	403	61	
		....Navicula	46	7	
		....Nitzschia	46	7	
		....Synedra	46	7	
		OTHER	119	18	
		TOTAL	660		
Jan 09	1440	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Cymbella	90	36	
		....Gomphonema	35	14	
		....Navicula	35	14	
		....Synedra	45	18	
		OTHER	45	18	
		TOTAL	250		
Mar 12	1720	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	70	25	
		....Cymbella	42	15	
		....Gomphonema	22	8	
		....Melosira	28	10	
		....Synedra	84	30	
		OTHER	34	12	
		TOTAL	280		
Apr 23	1405	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	483	23	
		....Asterionella	168	8	
		....Cymbella	378	18	
		....Gomphonema	336	16	
		....Melosira	462	22	
		OTHER	273	13	
		TOTAL	2100		

01427750 DELAWARE RIVER AT NARROWSBURG, N.Y.

LOCATION.--Lat 41°36'34", long 75°03'44", Sullivan County, N.Y.-Wayne County, Pa., at bridge on U.S. Highway 106 in Narrowsburg, 0.1 mi (0.2 km) downstream from Feagles Lake Outlet.

DRAINAGE AREA.--1,913 mi^2 (4,955 km^2).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT.												
31...	1205	E930	1.0	7.0	1.4	2.4	.6	17	0	14	9.8	1.2
DEC.												
04...	1610	E2600	--	6.0	1.5	--	--	13	0	11	--	--
JAN.												
09...	0935	E1400	2.5	7.5	1.6	2.3	.7	19	0	16	9.3	5.2
MAR.												
12...	1420	E2100	--	5.4	1.4	--	--	17	0	14	--	--
APR.												
23...	1045	E3270	1.3	7.0	1.9	1.9	.6	13	0	11	9.4	4.3

DATE	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)
OCT.											
31...	.1	.18	.00	.18	.06	.04	.10	.28	.01	.00	3
DEC.											
04...	--	.36	.00	.36	.02	.20	.22	.58	.01	.00	1
JAN.											
09...	.2	.46	.00	.46	.06	.05	.11	.57	.01	.00	5
MAR.											
12...	--	.52	.01	.53	.03	.03	.06	.59	.02	.04	5
APR.											
23...	.1	.35	.00	.35	.00	.13	.13	.48	.01	.01	0

DATE	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.											
31...	48	72	7.5	13.0	11.4	109	.2	.9	.000	.000	12
DEC.											
04...	45	68	7.5	2.0	14.6	106	.2	.7	2.00	3.60	27
JAN.											
09...	44	70	7.3	2.0	14.0	102	.2	1.5	2.80	2.80	24
MAR.											
12...	31	65	7.3	2.0	14.0	102	.4	1.4	1.00	4.00	811
APR.											
23...	37	59	7.2	6.0	11.6	99	.1	1.3	2.00	5.00	82

01431500 LACKAWAXEN RIVER AT HAWLEY, PA.

LOCATION.--Lat 41°28'34", long 75°10'21", Wayne County, at gaging station at Church Street Bridge in Hawley, 700 ft (213 m) upstream from Wallenpaupack Creek, and 3,000 ft (914 m) downstream from Middle Creek.

DRAINAGE AREA.--290 mi^2 (751 km^2).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).
Biological analyses: June 1973 to April 1975.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT.											
23...	1650	145	1.8	10	1.7	2.6	1.0	27	0	22	11
DEC.											
03...	1505	514	--	10	1.3	--	--	20	0	16	--
JAN.											
07...	1340	286	3.6	11	1.4	2.4	.9	20	0	16	11
MAR.											
11...	1505	362	--	8.0	1.0	--	--	13	0	11	--
APR.											
22...	1450	252	1.9	8.5	1.0	2.6	.7	16	0	13	12

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.										
23...	3.9	--	.14	.00	.14	.11	.15	.26	.40	.04
DEC.										
03...	--	--	.22	.00	.22	.07	.21	.28	.50	.03
JAN.										
07...	5.0	.2	.36	.00	.36	.06	.13	.19	.55	.04
MAR.										
11...	--	--	.37	.01	.38	.05	.12	.17	.55	.03
APR.										
22...	5.0	.2	.16	.00	.16	.00	.09	.09	.25	.03

DATE	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.										
23...	.04	0	61	93	7.8	8.0	12.4	106	.6	24
DEC.										
03...	.02	8	65	84	7.3	2.0	13.4	98	.8	8150
JAN.										
07...	.02	0	56	87	7.5	1.0	14.2	101	.4	90
MAR.										
11...	.01	5	40	71	7.5	3.0	13.0	98	.8	820
APR.										
22...	.02	0	43	75	7.3	11.0	13.0	119	.2	8[illegible]

01431500 LACKAWAXEN RIVER AT HAWLEY, PA.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Oct 23	1650	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Scenedesmus	72	6	
		....Sphaerocystis	204	17	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Cyclotella	84	7	
		....Melosira	120	10	
		....Navicula	96	8	
		....Neidium	60	5	
		CYANOPHYTA			
		.Myxophyceae			
		....Anabaena	456	38	
		OTHER	108	9	
		TOTAL	1200		
Dec 03	1505	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Crucigenia	40	6	
		....Scenedesmus	40	6	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Achnanthes	86	13	
		....Diatoma	40	6	
		....Fragilaria	139	21	
		....Navicula	99	15	
		....Nitzschia	99	15	
		OTHER	117	18	
		TOTAL	660		
Jan 07	1340	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	17	4	
		....Cymbella	34	8	
		....Melosira	17	4	
		....Navicula	232	54	
		....Nitzschia	65	15	
		EUGLENOPHYTA			
		.Euglenophyceae			
		....Euglena	17	4	
		OTHER	48	11	
		TOTAL	430		
March 11	1505	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	30	15	
		....Amphora	40	20	
		....Asterionella	10	5	
		....Gomphonema	10	5	
		....Nitzschia	20	10	
		....Synedra	90	45	
		TOTAL	200		
April 22	1450	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	55	5	
		....Cymbella	649	59	
		....Gomphonema	99	9	
		....Navicula	55	5	
		....Synedra	253	23	
		TOTAL	1100		

01431670 WALLENPAUPACK CREEK AT LEDGEDALE, PA.

LOCATION.--Lat 41°22'04", long 75°19'10", Pike County, at roadside park 0.9 mi (1.4 km) southeast of Ledgedale and 2.6 mi (4.2 km) downstream from the confluence of East and West Branches.

DRAINAGE AREA.--151 mi^2 (391 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT.										
23...	1515	E150	3.3	9.3	3.5	.1	17	0	14	.11
DEC.										
03...	1300	E300	--	--	--	--	15	0	12	.30
JAN.										
07...	1330	E280	3.0	11	5.2	.1	21	0	17	.36
MAR.										
11...	1330	E240	--	--	--	--	16	0	13	.32
APR.										
22...	1640	E170	2.4	10	4.2	.2	14	0	11	.23

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.										
23...	.01	.12	.12	.07	.19	.31	.02	.00	44	72
DEC.										
03...	.00	.30	.08	.36	.44	.74	.03	.01	72	82
JAN.										
07...	.00	.36	.03	.10	.13	.49	.01	.00	43	77
MAR.										
11...	.01	.33	.05	.00	.03	.36	.04	.06	41	74
APR.										
22...	.01	.24	.00	.00	.00	.24	.02	.01	43	68

DATE	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
23...	7.3	7.0	12.0	100	.6	1.4	6.00	9.00	83
DEC.									
03...	7.0	1.0	13.1	93	.6	2.4	4.80	3.60	B120
JAN.									
07...	8.1	.0	14.2	99	1.0	.3	2.80	2.00	85
MAR.									
11...	7.3	1.0	13.2	93	.6	1.3	1.00	3.00	B10
APR.									
22...	7.4	8.0	11.6	97	.0	.9	2.00	2.40	81

01432119 LACKAWAXEN RIVER AT MOUTH AT LACKAWAXEN, PA.

LOCATION.--Lat 41°29'12", long 74°59'31", Pike County, at highway bridge in Lackawaxen, 0.3 mi (0.5 km) upstream from mouth.

DRAINAGE AREA.--597 mi^2 (1,550 km^2).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)
OCT.										
24...	0915	270	1.6	--	9.6	4.1	.1	17	0	14
DEC.										
03...	1620	670	--	--	--	--	--	16	0	13
JAN.										
08...	0925	360	2.0	--	9.4	5.0	.1	18	0	15
MAR.										
11...	1620	2250	--	--	--	--	--	10	0	8
APR.										
22...	1150	290	2.1	80	11	4.8	.1	15	0	12

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL RESIDUE (MG/L)
OCT.										
24...	.04	.00	.04	.12	.16	.28	.32	.01	.01	52
DEC.										
03...	.18	.00	.18	.07	.27	.34	.52	.02	.01	56
JAN.										
08...	.14	.00	.14	.10	.17	.27	.41	.01	.01	44
MAR.										
11...	.21	.01	.22	.06	.11	.17	.39	.03	.04	35
APR.										
22...	.11	.00	.11	.00	.19	.19	.30	.02	.01	49

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.										
24...	72	7.4	6.0	13.0	106	.8	1.1	5.60	6.40	15
DEC.										
03...	75	7.4	2.0	13.0	95	.6	1.0	5.20	3.60	8110
JAN.										
08...	70	7.4	.0	14.3	99	.0	1.1	3.60	2.00	83
MAR.										
11...	62	7.3	3.0	13.0	98	.2	.8	1.00	5.50	86
APR.										
22...	68	7.3	10.0	11.5	103	.8	1.2	2.00	3.00	82

01432160 DELAWARE RIVER AT BARRYVILLE, N.Y.

LOCATION.--Lat 41°28'31", long 74°54'46", Sullivan County, at Shohola-Barryville Bridge at Barryville, just upstream from Halfway Brook and 1,000 ft (305 m) upstream of Shohola Brook.

DRAINAGE AREA.--2,692 mi^2 (6,972 km^2).

PERIOD OF RECORD.--Chemical quality: October 1957 to September 1958, May 1973 to April 1975 (discontinued). Water temperatures: October 1967 to September 1973.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT.												
24...	1030	1530	1.5	6.7	1.6	2.5	.8	17	0	14	9.8	3.5
DEC.												
04...	0830	3660	--	6.1	1.4	--	--	15	0	12	--	--
JAN.												
08...	1015	1660	2.3	9.0	1.6	2.0	.7	19	0	16	10	5.4
MAR.												
11...	1715	4750	--	6.8	1.0	--	--	12	0	10	--	--
APR.												
22...	1035	4050	1.6	9.0	1.1	2.0	.6	12	0	10	9.0	4.1

DATE	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)
OCT.											
24...	.2	.11	.01	.12	.06	.07	.13	.25	.01	.00	0
DEC.											
04...	--	.29	.00	.29	.03	.25	.28	.57	.03	.01	16
JAN.											
08...	.1	.33	.00	.33	.02	.17	.19	.52	.01	.00	3
MAR.											
11...	--	.31	.01	.32	.05	.10	.15	.47	.03	.05	6
APR.											
22...	.2	.28	.00	.28	.00	.16	.16	.44	.01	.00	0

DATE	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.											
24...	33	72	7.9	7.0	13.2	110	.6	.3	5.20	6.40	84
DEC.											
04...	60	70	7.3	1.0	13.2	94	.4	1.2	10.0	4.00	94
JAN.											
08...	54	69	7.8	1.0	14.2	99	.0	.5	2.00	2.80	85
MAR.											
11...	34	63	7.3	3.0	13.1	98	.8	1.0	1.00	3.00	81
APR.											
22...	43	59	6.9	8.0	11.9	100	.1	2.4	3.20	6.40	82

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA. (NEAR TOCKS ISLAND DAMSITE)

LOCATION.--Lat 41°02'40", long 75°01'42", Monroe County, water-quality recorder on right bank opposite Poxono Island, 0.1 mi (0.2 km) upstream from mouth of Vancampens Brook, and 4.4 mi (7.0 km) northeast of East Stroudsburg.

DRAINAGE AREA.--3,830 mi^2 (9,920 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1966 to May 1973, October 1973 to September 1975.
Water temperatures: October 1966 to May 1973, October 1973 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 119 micromhos July 10; minimum, 62 micromhos Sept. 26, 27.
Dissolved oxygen: Maximum, 15.7 mg/l Mar. 11; minimum, 6.7 mg/l July 22, 23, Aug. 5.
pH: Maximum, 8.9 July 7; minimum, 6.1 July 26, 27.
Water temperatures: Maximum, 29.5°C Aug. 3; minimum, 0.5°C Dec. 7-9.

Period of record:
Specific conductance: Maximum, 150 micromhos Mar. 21, 1969; minimum, 44 micromhos Dec. 9, 1969 and Jan. 6, 1970.
Dissolved oxygen: Maximum, 18.4 mg/l Feb. 28, 1973; minimum, 6.0 mg/l Sept. 22, 1967, Aug. 15, 1971, and Aug. 24, 1974.
pH (1972-75): Maximum, 8.9 July 7, 1975; minimum, 6.0 Dec. 21-23, 1973.
Water temperatures: Maximum, 29.5°C Aug. 3, 1975; minimum, freezing point on many days during winter period.

REMARKS.--Discharge records are obtained from 01440200 Delaware River below Tocks Island damsite near Delaware Water Gap, Pa. No continuous records of specific conductance available January to May.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	INSTAN-TANEOUS DIS-CHARGE (CFS)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	SUS-PENDED SOLIDS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
OCT.												
09...	1430	--	3770	.13	.33	.08	.31	.44	.02	46	2	85
17...	0830	--	3350	.11	.28	.07	.27	.38	.01	50	1	110
23...	1230	--	3920	.05	.10	.12	.22	.27	.01	54	3	105
NOV.												
06...	1110	--	1780	.09	.14	.22	.36	.45	.02	54	1	90
20...	1055	--	6460	.23	.04	.11	.15	.38	.01	43	4	90
26...	1345	--	6820	.23	.14	.21	.35	.58	.02	40	3	80
DEC.												
12...	1000	--	19500	.32	.10	.18	.28	.60	.02	47	17	110
26...	1400	--	6740	.24	.02	.17	.19	.43	.01	36	2	80
JAN.												
02...	1200	--	4670	.28	.06	.44	.50	.78	.02	51	1	75
15...	1130	--	16600	.34	.03	.22	.25	.59	.03	57	5	61
29...	1130	--	11000	.30	.05	.40	.45	.75	.02	42	8	120
FEB.												
06...	1500	--	7400	.27	.03	.07	.10	.37	.01	46	2	100
19...	1315	--	6600	.27	.06	.03	.09	.36	.01	38	1	105
MAR.												
05...	1700	--	9500	.35	.05	.20	.25	.60	.03	56	5	90
13...	1400	--	7000	.53	.45	.75	1.2	1.7	.06	57	4	100
26...	1230	--	19000	.33	.08	.08	.16	.49	.02	69	5	80
APR.												
09...	1130	--	12800	.35	.01	.24	.25	.60	.03	47	11	85
18...	1000	--	7300	.42	.12	.48	.60	1.0	.03	85	2	85
MAY												
02...	1030	--	5100	.22	.03	.17	.20	.42	.01	46	9	90
14...	1125	--	17600	.27	.09	.26	.35	.62	.05	55	15	60
23...	0900	--	9200	.29	.10	1.1	1.2	1.5	.04	25	6	140
JUNE												
06...	0830	--	7300	.28	.02	.27	.29	.57	.06	55	4	100
19...	0900	8000	--	.23	.21	.65	.86	1.1	.04	45	3	75
26...	1000	3300	--	.11	.01	.27	.28	.39	.04	54	1	110
JULY												
11...	0910	2500	--	.06	.00	1.5	1.5	1.6	.04	58	1	105
24...	1200	5100	--	.28	.01	.31	.32	.60	.03	53	4	90
AUG.												
15...	1000	2200	--	.11	.29	.36	.65	.76	.04	71	1	100
27...	1615	3500	--	.35	.02	.06	.08	.43	.03	72	3	100
SEP.												
05...	1100	2900	--	.19	.01	.34	.35	.54	.03	162	1	290
26...	1200	28600	--	2.0	.02	.50	.52	2.5	.14	--	1	80

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
09...	8.2	12.0	1	11.0	6	2.0	1.9	2.0	--	--	15
17...	7.1	11.5	2	9.6	7	2.4	1.9	.0	35	80	4.0
23...	--	7.0	2	12.3	E6	1.6	2.8	1.6	--	--	1.4
NOV.											
06...	--	12.5	3	9.8	4	1.4	1.3	.0	--	--	3.3
20...	--	6.0	2	9.0	4	2.8	3.0	1.0	E33	E17	3.0
26...	--	4.0	1	13.2	7	1.2	3.3	.0	E23	E20	3.0
DEC.											
12...	--	4.0	4	12.4	8	1.2	2.7	1.1	130	165	3.9
26...	--	7.0	1	12.8	6	.4	.8	5.2	E17	--	3.3
JAN.											
02...	--	3.5	3	13.7	8	1.4	3.8	.4	E12	E6	5.2
15...	--	2.0	8	13.6	8	1.4	3.8	1.2	30	E14	3.7
29...	--	2.0	2	13.6	9	1.2	3.2	1.7	--	--	1.9
FEB.											
06...	--	1.0	3	13.2	31	--	.0	.0	E13	7	4.2
19...	--	3.0	2	13.2	11	--	--	--	--	--	2.1
MAR.											
05...	7.3	3.0	2	13.6	7	--	.4	1.2	E8	E10	--
13...	6.2	8.0	2	12.7	200	--	.5	1.2	E13	E8	4.9
26...	7.5	5.5	6	13.5	9	1.1	.0	.0	--	--	2.2
APR.											
09...	--	4.5	11	12.6	15	--	--	--	--	--	2.3
18...	6.9	10.0	2	11.4	14	2.6	--	--	--	--	4.0
MAY											
02...	6.8	11.0	1	10.8	8	3.0	--	--	--	--	1.6
14...	--	15.0	6	9.4	13	4.2	1.6	.0	120	50	2.9
23...	7.1	18.5	1	8.7	22	6.0	23	.0	E50	E70	4.0
JUNE											
06...	7.1	20.0	3	8.2	16	9.1	--	--	220	160	4.9
19...	7.1	22.0	2	9.2	10	5.3	3.4	.0	E60	160	2.3
26...	7.2	24.0	6	8.3	8	.9	--	--	E27	140	14
JULY											
11...	7.3	24.0	9	7.8	10	1.9	2.1	.0	80	--	5.0
24...	6.2	25.0	1	7.5	11	2.3	--	--	E42	E10	5.2
AUG.											
15...	7.4	24.5	3	8.4	24	6.2	--	--	60	25	4.4
27...	7.8	23.5	3	8.1	9	1.5	--	--	E9	73	4.9
SEP.											
05...	6.8	16.5	1	7.3	10	--	--	--	40	15	4.2
26...	6.1	15.0	35	9.1	52	2.3	--	--	39	15	3.0

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	111	109	110			
2				---	---	---	111	110	110			
3				---	---	---	111	110	111			
4				---	---	---	111	110	111			
5				---	---	---	111	110	111			
6				---	---	---	112	111	111			
7				---	---	---	112	111	111			
8				---	---	---	112	111	112			
9				---	---	---	112	111	111			
10				---	---	---	112	109	111			
11				---	---	---	114	108	110			
12				---	---	---	115	107	110			
13				---	---	---	108	107	108			
14				---	---	---	109	105	108			
15				---	---	---	109	107	108			
16				---	---	---	110	108	109			
17				---	---	---	110	106	109			
18				---	---	---	109	108	---			
19				---	---	---	109	108	---			
20				---	---	---	110	109	109			
21				112	109	---	110	108	109			
22				115	110	112	110	109	109			
23				116	112	114	110	109	110			
24				113	110	112	110	109	110			
25				113	110	112	110	109	110			
26				115	105	109	111	110	---			
27				107	105	106	---	---	---			
28				108	107	107	---	---	---			
29				109	107	108	---	---	---			
30				110	108	109	---	---	---			
31				---	---	---	---	---	---			
MONTH				---	---	---	115	107	---			

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	114	99	106	101	97	98	101	92	95
2	---	---	---	100	98	99	102	98	100	91	86	88
3	---	---	---	104	100	101	108	101	104	88	85	87
4	---	---	---	104	100	102	107	104	106	95	88	90
5	---	---	---	106	103	105	105	96	100	95	88	92
6	---	---	---	112	105	106	104	99	102	95	92	93
7	---	---	---	113	101	110	102	99	101	99	95	97
8	---	---	---	114	111	113	99	93	96	105	98	100
9	---	---	---	116	114	115	94	92	93	105	102	103
10	90	85	---	119	115	117	96	92	94	103	97	100
11	92	88	90	118	107	111	102	96	99	100	98	99
12	94	91	93	108	103	106	103	100	102	101	98	99
13	94	87	91	109	106	107	103	99	101	102	98	100
14	86	80	83	109	100	106	105	102	103	103	101	102
15	81	80	80	102	97	100	107	102	105	103	100	102
16	84	81	84	101	99	100	108	106	107	104	99	101
17	89	85	87	99	96	97	109	107	108	104	101	103
18	93	89	90	101	96	99	108	107	108	108	105	106
19	96	92	93	100	99	99	113	107	110	106	104	105
20	97	95	96	103	99	101	113	112	113	106	104	105
21	99	96	97	105	101	103	113	104	109	103	100	101
22	103	99	101	105	99	101	105	103	104	99	97	98
23	105	103	104	100	95	98	106	103	104	95	92	93
24	108	105	106	95	92	93	104	103	103	94	86	91
25	113	107	109	93	85	89	---	---	---	84	74	79
26	114	110	112	87	82	83	---	---	---	83	62	69
27	113	110	111	91	83	87	103	100	---	63	62	62
28	115	112	113	95	91	93	99	97	98	68	63	66
29	115	108	111	96	94	95	102	100	101	71	67	69
30	113	109	111	98	95	96	103	101	102	76	71	73
31	---	---	---	100	98	99	103	98	101	---	---	---
MONTH	---	---	---	119	82	101	113	92	103	108	62	92

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA.--Continued

DISSOLVED OXYGEN (MG/L), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	---	---	---			
2				---	---	---	---	---	---			
3				---	---	---	12.6	11.9	---			
4				---	---	---	12.6	12.0	12.2			
5				---	---	---	13.1	12.3	12.8			
6				---	---	---	13.2	13.0	---			
7				---	---	---	---	---	---			
8				---	---	---	---	---	---			
9				---	---	---	---	---	---			
10				---	---	---	---	---	---			
11				---	---	---	---	---	---			
12				---	---	---	---	---	---			
13				---	---	---	---	---	---			
14				---	---	---	---	---	---			
15				---	---	---	---	---	---			
16				---	---	---	---	---	---			
17				---	---	---	---	---	---			
18				---	---	---	---	---	---			
19				---	---	---	12.5	11.4	---			
20				---	---	---	13.1	11.2	12.3			
21				16.8	9.8	---	13.0	12.0	12.5			
22				11.6	9.9	10.6	12.8	11.5	12.1			
23				13.7	11.8	12.3	12.9	11.5	12.6			
24				14.0	13.3	13.7	12.9	12.0	12.4			
25				13.6	12.8	13.1	12.2	11.5	11.8			
26				14.2	12.7	13.4	12.5	11.9	---			
27				---	---	---	---	---	---			
28				---	---	---	---	---	---			
29				---	---	---	---	---	---			
30				---	---	---	---	---	---			
31				---	---	---	---	---	---			
MONTH				---	---	---	---	---	---			

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	14.1	12.2	---	10.3	10.0	10.1
2				---	---	---	13.2	11.5	12.4	10.7	9.9	10.3
3				---	---	---	12.6	11.3	11.8	11.1	10.2	10.6
4				---	---	---	12.9	12.1	---	10.2	9.6	9.9
5				13.6	11.7	---	---	---	---	9.8	9.5	9.6
6				12.4	10.7	11.8	---	---	---	9.7	7.8	8.6
7				11.8	10.8	11.4	---	---	---	9.8	7.8	8.1
8				11.2	10.9	---	---	---	---	---	---	---
9				---	---	---	---	---	---	---	---	---
10				13.5	12.8	---	---	---	---	---	---	---
11				15.7	13.1	14.5	---	---	---	---	---	---
12				15.3	13.7	14.5	---	---	---	---	---	---
13				11.5	10.6	---	---	---	---	---	---	---
14				14.2	11.4	12.4	---	---	---	---	---	---
15				15.3	12.5	14.0	---	---	---	---	---	---
16				14.6	12.2	13.4	---	---	---	---	---	---
17				12.4	12.2	---	---	---	---	---	---	---
18				---	---	---	11.1	10.3	---	---	---	---
19				---	---	---	10.3	10.0	10.1	---	---	---
20				12.4	11.6	---	10.8	10.1	10.5	---	---	---
21				15.0	13.1	14.5	11.5	10.8	11.2	---	---	---
22				15.4	14.2	14.9	12.1	11.2	11.7	---	---	---
23				14.3	11.8	13.2	12.1	10.9	11.5	---	---	---
24				12.9	12.8	12.7	10.9	10.1	10.5	---	---	---
25				13.1	11.6	12.5	10.1	9.9	10.0	---	---	---
26				14.2	12.7	13.3	10.0	9.8	9.9	---	---	---
27				---	---	---	10.5	10.1	10.3	---	---	---
28				---	---	---	11.2	10.5	10.8	---	---	---
29				---	---	---	10.8	10.4	10.6	---	---	---
30				---	---	---	11.0	10.2	10.6	---	---	---
31				---	---	---	---	---	---	---	---	---
MONTH				---	---	---	---	---	---	---	---	---

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.9	8.0	8.4	8.6	7.5	8.1	8.1	7.4	7.8
2	---	---	---	8.7	7.6	8.1	8.6	7.2	7.8	8.2	7.7	8.0
3	---	---	---	8.5	7.5	7.9	8.7	7.0	7.8	8.3	7.7	8.0
4	---	---	---	8.3	7.1	7.7	8.1	6.9	7.4	9.3	8.0	8.5
5	---	---	---	8.9	7.4	8.1	8.1	6.7	7.4	9.5	8.9	9.3
6	---	---	---	8.0	7.2	---	7.2	6.8	6.9	9.1	8.6	8.9
7	---	---	---	---	---	---	7.4	6.8	7.4	9.4	8.6	8.9
8	---	---	---	---	---	---	8.4	8.0	8.2	9.3	8.3	8.7
9	---	---	---	---	---	---	8.8	8.3	8.5	9.2	8.1	8.7
10	---	---	---	---	---	---	8.7	8.0	8.4	9.4	8.6	8.9
11	---	---	---	8.5	7.7	---	8.4	7.5	8.0	9.3	8.7	9.0
12	---	---	---	8.3	7.4	7.9	8.2	7.3	7.8	8.8	8.5	8.6
13	---	---	---	8.3	7.4	7.8	8.3	7.1	7.6	9.3	8.6	9.0
14	---	---	---	8.5	7.5	8.0	8.1	7.0	7.5	10.1	9.2	9.6
15	---	---	---	8.3	7.7	8.0	9.1	7.0	8.0	10.3	9.6	9.9
16	---	---	---	8.3	7.6	7.9	8.0	7.5	7.7	10.1	9.6	9.9
17	---	---	---	8.2	7.4	7.5	8.4	7.5	7.9	9.9	9.3	9.6
18	9.3	8.4	---	8.1	7.2	7.7	8.9	7.9	8.4	10.0	9.2	9.5
19	9.3	8.4	8.8	7.9	7.1	7.5	9.2	8.2	8.6	9.4	8.9	9.2
20	8.8	7.5	---	8.2	7.1	7.8	9.0	8.0	8.4	9.5	8.8	9.1
21	8.8	8.1	---	8.0	7.1	7.5	9.2	8.0	8.4	9.5	8.7	9.0
22	9.1	8.3	---	7.3	6.7	7.0	8.8	7.7	8.2	9.5	8.6	9.0
23	---	---	---	7.7	6.7	7.2	9.1	7.9	8.4	8.8	8.5	8.8
24	---	---	---	7.7	7.1	7.9	8.2	7.8	8.0	8.9	8.4	8.6
25	---	---	---	7.9	6.9	7.9	---	---	---	9.2	8.9	9.0
26	9.0	7.9	---	8.5	7.9	8.1	---	---	---	9.3	9.1	9.2
27	8.9	7.9	8.4	8.9	8.2	8.5	8.1	7.9	---	9.4	9.1	9.2
28	9.4	7.9	8.5	9.0	8.2	8.5	8.5	7.6	8.0	9.4	9.0	9.2
29	9.3	8.1	8.6	8.9	8.2	8.5	8.5	7.4	7.9	9.5	9.2	9.4
30	9.4	8.0	8.7	9.1	8.2	8.9	7.9	7.2	7.5	9.6	9.4	9.5
31	---	---	---	8.8	8.0	8.4	7.5	7.1	7.3	---	---	---
MONTH	---	---	---	9.1	6.7	7.9	9.2	6.7	7.9	10.3	7.4	9.6

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1							---	---	---			
2							---	---	---			
3							---	---	---			
4							---	---	---			
5							---	---	---			
6							---	---	---			
7							---	---	---			
8							---	---	---			
9							---	---	---			
10							---	---	---			
11							---	---	---			
12							---	---	---			
13							---	---	---			
14							---	---	---			
15							---	---	---			
16							---	---	---			
17							---	---	---			
18							---	---	---			
19							6.9	6.7	---			
20							6.7	6.6	6.7			
21							6.7	6.3	6.6			
22							6.7	6.6	6.6			
23							6.6	6.6	6.6			
24							6.7	6.6	6.6			
25							6.7	6.6	6.6			
26							6.6	6.6	---			
27							---	---	---			
28							---	---	---			
29							---	---	---			
30							---	---	---			
31							---	---	---			
MONTH							---	---	---			

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	6.7	6.6	6.6	7.2	6.9	7.0
2				---	---	---	6.7	6.6	6.6	6.9	6.8	---
3				---	---	---	6.7	6.5	6.6	---	---	---
4				---	---	---	6.5	6.4	6.5	---	---	---
5				---	---	---	6.6	6.5	6.5	---	---	---
6				---	---	---	6.8	6.6	6.7	---	---	---
7				---	---	---	6.8	6.7	6.8	---	---	---
8				---	---	---	6.9	6.8	6.8	---	---	---
9				---	---	---	7.0	6.8	6.9	---	---	---
10				---	---	---	7.0	6.8	6.9	---	---	---
11				---	---	---	7.1	6.8	6.9	---	---	---
12				---	---	---	7.1	6.9	7.0	---	---	---
13				---	---	---	7.1	6.9	7.0	---	---	---
14				---	---	---	7.2	6.9	7.0	---	---	---
15				---	---	---	7.1	7.0	7.0	---	---	---
16				---	---	---	7.3	6.9	7.1	---	---	---
17				---	---	---	7.4	6.9	7.1	---	---	---
18				---	---	---	7.2	6.9	7.0	---	---	---
19				---	---	---	7.2	6.8	7.0	---	---	---
20				---	---	---	7.2	6.8	7.0	---	---	---
21				---	---	---	7.4	6.9	7.1	---	---	---
22				---	---	---	7.5	6.9	7.2	---	---	---
23				---	---	---	7.5	6.9	7.2	---	---	---
24				---	---	---	7.2	6.9	7.0	---	---	---
25				---	---	---	7.3	6.8	7.0	---	---	---
26				6.5	6.3	---	7.5	6.8	7.2	---	---	---
27				6.5	6.3	6.4	7.7	6.9	7.2	---	---	---
28				6.5	6.4	6.5	7.8	7.0	7.3	---	---	---
29				6.5	6.4	6.5	7.5	6.9	7.2	---	---	---
30				6.6	6.4	6.5	7.8	6.9	7.3	---	---	---
31				6.6	6.5	6.6	---	---	---	---	---	---
MONTH				---	---	---	7.8	6.4	7.0	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.3	6.8	7.5	6.6	6.4	---	6.7	6.5	6.6
2	---	---	---	8.3	7.5	7.9	---	---	---	6.8	6.6	6.7
3	---	---	---	8.1	7.3	7.6	---	---	---	7.1	6.6	6.8
4	---	---	---	8.1	7.1	7.6	8.7	7.4	8.0	7.4	6.7	7.0
5	---	---	---	8.5	7.1	7.8	8.3	7.0	7.6	7.9	6.9	7.4
6	---	---	---	8.5	7.1	7.8	7.3	6.9	7.1	7.6	7.0	7.2
7	---	---	---	8.9	7.1	7.9	7.0	6.8	6.9	8.1	6.8	7.3
8	---	---	---	8.6	7.2	8.0	7.2	6.9	7.1	8.1	6.7	7.3
9	---	---	---	8.8	7.6	8.1	7.6	6.9	7.2	7.9	6.8	7.3
10	7.9	7.1	---	8.7	7.3	8.0	7.6	7.0	7.3	8.0	7.0	7.4
11	7.5	7.0	7.3	8.3	7.2	7.8	8.0	7.0	7.4	7.4	7.0	7.2
12	7.3	7.0	7.1	7.5	7.0	7.3	8.2	7.0	7.6	7.2	6.9	7.1
13	7.3	6.9	7.1	7.3	6.9	7.0	8.5	7.2	7.7	7.3	6.9	7.1
14	7.1	6.9	7.0	7.1	6.8	6.9	8.6	7.1	7.8	7.9	7.0	7.3
15	7.2	6.9	7.0	7.1	6.7	6.9	8.4	7.2	7.7	8.0	7.1	7.4
16	7.2	7.0	7.1	7.2	6.7	6.9	7.3	6.9	7.1	7.7	7.1	7.4
17	7.5	7.0	7.2	7.4	6.6	6.9	7.4	6.9	7.1	7.8	7.3	7.3
18	7.7	7.1	7.3	8.1	6.7	7.2	8.0	7.0	7.4	7.1	6.9	---
19	7.4	7.1	7.3	7.6	6.9	7.3	8.3	7.2	7.7	---	---	---
20	7.7	7.1	7.4	7.9	6.9	7.2	8.4	7.3	7.9	---	---	---
21	7.9	7.2	7.5	7.7	6.7	7.2	8.2	7.1	7.6	---	---	---
22	8.3	7.2	7.7	7.1	6.6	6.9	8.0	6.8	7.3	---	---	---
23	8.6	7.4	7.9	7.2	6.5	6.8	8.0	6.7	7.3	---	---	---
24	8.4	7.4	7.9	7.2	6.6	6.9	7.1	6.6	6.8	---	---	---
25	8.5	7.3	7.8	6.7	6.4	6.5	---	---	---	---	---	---
26	8.1	7.2	7.6	6.6	6.1	6.3	---	---	---	---	---	---
27	7.5	6.8	7.2	6.8	6.1	6.4	7.9	7.3	---	---	---	---
28	7.3	6.9	6.7	7.1	6.2	6.6	8.1	7.0	7.4	---	---	---
29	7.2	6.3	6.7	7.2	6.3	6.7	8.3	7.0	7.5	---	---	---
30	7.5	6.4	7.0	7.4	6.3	6.8	7.6	6.9	7.1	---	---	---
31	---	---	---	7.4	6.3	6.9	6.9	6.7	6.8	---	---	---
MONTH	---	---	---	8.9	6.1	7.2	8.7	6.4	7.4	---	---	---

DELAWARE RIVER BASIN

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	2.0	1.5	1.5			
2				---	---	---	2.0	1.5	1.5			
3				---	---	---	3.0	1.5	2.0			
4				---	---	---	3.0	1.5	2.0			
5				---	---	---	2.0	1.5	1.5			
6				---	---	---	2.0	1.0	1.5			
7				---	---	---	1.5	0.5	1.0			
8				---	---	---	1.5	0.5	1.0			
9				---	---	---	2.0	0.5	1.5			
10				---	---	---	4.5	3.0	4.0			
11				---	---	---	4.5	4.0	4.0			
12				---	---	---	4.0	3.5	3.5			
13				---	---	---	4.5	4.0	4.5			
14				---	---	---	4.5	4.5	4.5			
15				---	---	---	4.5	4.0	4.5			
16				---	---	---	4.5	3.5	4.0			
17				---	---	---	4.0	3.5	3.5			
18				---	---	---	3.5	3.5	---			
19				---	---	---	3.5	3.5	---			
20				---	---	---	3.5	3.0	3.5			
21				7.0	6.5	---	3.5	3.5	3.5			
22				6.5	5.5	6.0	4.0	3.5	3.5			
23				5.5	4.5	5.0	3.5	3.5	3.5			
24				5.0	4.0	4.5	3.5	3.5	3.5			
25				5.0	4.5	4.5	3.5	3.5	3.5			
26				4.5	3.5	4.0	3.5	3.5	---			
27				3.5	2.0	3.0	---	---	---			
28				3.0	2.0	2.5	---	---	---			
29				3.0	2.0	2.5	---	---	---			
30				2.0	1.5	2.0	---	---	---			
31				---	---	---	---	---	---			
MONTH				---	---	---	4.5	0.5	---			

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	6.0	4.5	5.0	11.0	10.5	10.5
2				---	---	---	7.0	5.5	6.0	12.0	10.0	11.0
3				---	---	---	6.5	5.5	6.0	13.0	10.5	11.5
4				---	---	---	5.5	4.0	4.5	12.0	11.5	12.0
5				3.5	2.0	---	3.5	3.5	3.5	13.5	11.5	12.5
6				4.0	3.0	3.5	3.5	3.0	3.5	13.0	12.0	12.0
7				4.0	3.5	4.0	4.0	3.0	3.5	13.5	11.5	12.5
8				4.5	4.0	---	4.5	3.5	4.0	---	---	---
9				---	---	---	5.5	4.0	4.5	---	---	---
10				---	---	---	6.0	5.0	5.5	---	---	---
11				---	---	---	7.0	5.5	6.0	---	---	---
12				---	---	---	7.0	6.5	6.5	---	---	---
13				---	---	---	6.5	6.0	6.5	---	---	---
14				---	---	---	8.0	6.0	6.5	---	---	---
15				---	---	---	7.0	6.5	7.0	---	---	---
16				---	---	---	8.5	6.5	7.5	---	---	---
17				---	---	---	10.0	8.0	9.0	---	---	---
18				---	---	---	10.5	8.0	9.5	---	---	---
19				---	---	---	10.5	10.0	10.5	---	---	---
20				5.5	5.0	---	10.5	10.0	10.0	---	---	---
21				5.0	4.0	4.5	10.0	9.0	9.5	---	---	---
22				4.5	4.0	4.5	10.0	8.5	9.5	---	---	---
23				6.0	4.5	5.0	10.5	8.5	10.0	---	---	---
24				5.5	5.0	5.0	10.5	10.0	10.5	---	---	---
25				6.0	5.0	5.5	11.5	10.5	11.0	---	---	---
26				5.5	5.0	5.0	11.5	10.5	11.0	---	---	---
27				5.0	4.0	4.5	11.0	10.5	10.5	---	---	---
28				4.5	3.5	4.0	10.5	9.5	10.0	---	---	---
29				4.0	4.0	4.0	10.5	10.0	10.0	---	---	---
30				5.0	4.0	4.5	11.5	9.5	10.5	---	---	---
31				5.0	4.0	4.5	---	---	---	---	---	---
MONTH				---	---	---	11.5	3.0	7.5	---	---	---

01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	24.0	22.0	23.0	27.0	25.5	26.0	20.5	18.5	19.5
2	---	---	---	24.0	22.0	23.0	28.5	26.5	27.5	19.5	18.5	19.0
3	---	---	---	24.0	23.0	23.5	29.5	27.0	28.0	20.0	18.5	19.0
4	---	---	---	24.0	22.0	23.5	28.5	26.5	27.5	19.5	18.5	19.0
5	---	---	---	25.0	23.0	24.0	28.0	26.0	27.0	20.5	19.0	19.5
6	---	---	---	25.0	23.5	24.0	26.5	24.0	25.5	20.5	19.5	20.0
7	---	---	---	25.5	24.0	24.5	24.0	21.5	23.0	21.5	19.5	20.5
8	---	---	---	26.0	24.5	25.0	21.5	21.0	21.0	21.5	20.5	21.0
9	---	---	---	25.5	24.0	25.0	22.0	20.5	21.5	21.5	20.0	20.5
10	18.5	17.0	---	25.5	23.5	24.5	23.0	21.0	22.0	20.5	19.5	20.0
11	18.5	17.0	18.0	25.0	24.0	24.5	23.5	22.0	23.0	19.5	19.0	19.0
12	18.0	17.0	18.0	24.0	23.5	24.0	25.0	23.0	24.0	19.5	18.5	19.0
13	19.0	17.0	18.0	23.5	23.0	23.0	25.5	24.0	24.5	18.5	17.0	18.0
14	19.0	17.0	18.5	22.0	22.0	22.0	25.5	24.5	25.0	18.0	16.5	17.0
15	19.5	18.0	18.5	23.0	21.5	22.5	25.5	24.0	24.5	17.0	16.0	16.5
16	19.5	19.0	19.0	24.0	22.0	23.5	24.5	23.0	23.5	16.5	16.0	16.0
17	20.0	19.0	19.5	25.0	23.5	24.0	23.0	22.0	22.5	18.0	16.0	16.5
18	21.5	19.5	20.5	25.5	24.5	25.0	23.5	21.5	22.5	17.0	16.5	17.0
19	22.0	21.0	21.5	25.0	25.0	25.0	23.5	21.5	22.5	17.0	17.0	17.0
20	23.5	21.5	22.5	25.0	24.0	24.5	24.0	22.0	23.0	18.5	17.0	18.0
21	23.0	21.5	22.5	25.5	24.0	25.0	23.5	22.0	22.5	19.5	18.5	19.0
22	23.5	21.5	22.5	25.5	24.5	25.0	23.5	22.0	23.0	19.0	18.5	18.5
23	24.5	21.5	23.0	25.0	23.5	24.5	23.5	21.5	22.5	18.5	18.0	18.5
24	25.0	23.5	24.5	25.5	24.0	24.5	22.0	21.5	22.0	18.0	16.5	17.0
25	25.0	24.0	24.5	25.5	24.0	25.0	---	---	---	16.5	15.5	16.0
26	24.0	23.5	24.0	24.5	23.5	24.0	---	---	---	15.5	14.5	15.0
27	23.5	22.0	23.0	24.0	22.0	23.5	24.0	23.5	---	15.0	14.5	15.0
28	22.0	21.5	22.0	24.5	23.0	24.0	24.0	23.0	23.5	16.0	14.5	15.0
29	23.0	21.5	22.0	25.0	23.5	24.5	23.5	22.0	23.0	15.5	14.5	15.0
30	24.0	22.0	23.0	25.0	23.5	24.5	23.0	22.0	22.5	15.5	15.0	15.0
31	---	---	---	25.5	24.0	25.0	21.5	20.5	21.0	---	---	---
MONTH	---	---	---	26.0	21.5	24.0	29.5	20.5	23.5	21.5	14.5	18.0

01442750 DELAWARE RIVER AT DUNNFIELD, N.J. (DELAWARE WATER GAP, PA.)

LOCATION.--Lat 41°58'40", long 75°08'10", Warren County, at bridge on Interstate Highway 80, and 4.0 mi (6.4 km) downstream from gaging station, in Dunnfield.

DRAINAGE AREA.--4,150 mi^2 (10,749 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: Water years 1965-72 (partial-record station), October 1972 to September 1975.
Water temperatures: October 1966 to September 1975.
Sediment records: July 1964 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum daily, 29.0°C July 5; minimum daily, freezing point on several days during January and February.
Sediment concentrations: Maximum daily, 220 mg/l Feb. 25; minimum daily, 1 mg/l on many days.
Sediment discharges: Maximum daily, 37,200 tons (33,748 t) Feb. 25; minimum daily, 5.4 tons (4.9 t) Sept. 7.

Period of record:
Water temperatures: Maximum daily, 29.0°C July 5, 1975; minimum daily, freezing point on many days during winter period.
Sediment concentrations: Maximum daily, 640 mg/l June 30, 1973; minimum daily, less than 0.5 mg/l on many days.
Sediment discharges: Maximum daily, 165,000 tons (150,000 t) June 30, 1973; minimum daily, less than 0.05 tons (0.04 t) on many days.

REMARKS.--Records of discharge are given for 01440200 Delaware River below Tocks Island damsite near Delaware Water Gap, Pa.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT.												
16...	1300	2950	--	--	--	--	--	--	--	--	--	--
NOV.												
19...	1300	E7050	--	--	--	--	--	--	--	--	--	.23
MAR.												
25...	1115	E19000	5.0	1.0	2.2	.8	10	0	8	9.4	3.9	.35
APR.												
17...	1240	E6900	9.2	.7	3.2	.6	15	0	12	8.0	4.4	.25
MAY												
07...	1030	E13100	6.5	1.0	2.2	.7	12	0	10	8.4	3.3	.21
JUNE												
04...	1030	E4730	8.0	1.5	2.6	.8	16	0	13	9.3	4.3	.23
JULY												
09...	1100	E2100	9.1	1.8	3.4	2.9	26	0	21	12	6.2	.03
AUG.												
12...	1045	E2500	9.2	1.6	2.8	.9	21	0	17	8.7	3.0	.19
SEP.												
09...	1100	E2500	10	2.0	2.8	.9	22	--	18	8.9	4.2	1.7

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.											
16...	--	--	--	--	--	--	--	--	--	--	71
NOV.											
19...	.00	.11	.07	.18	.41	.02	.01	--	--	--	70
MAR.											
25...	.00	.01	.19	.20	.55	.02	.00	31	17	8	58
APR.											
17...	.01	.03	.14	.17	.43	.02	.01	41	26	14	58
MAY											
07...	.01	.00	.36	.36	.56	.03	.01	40	20	11	61
JUNE											
04...	.01	.00	.26	.26	.50	.03	.01	37	26	13	80
JULY											
09...	.01	.00	.26	.26	.30	.04	.01	49	30	9	72
AUG.											
12...	.01	.01	.31	.32	.52	.03	.01	57	30	12	82
SEP.											
09...	.14	.25	.46	.71	2.5	.06	.05	123	33	15	88

01442750 DELAWARE RIVER AT DUNNFIELD, N.J.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
16...	8.4	12.5	--	--	10.4	1.9	--	396	48	180	--
NOV.											
19...	8.3	8.0	--	--	13.0	.8	--	36	16	8	7.4
MAR.											
25...	7.4	9.5	8	1	12.4	1.6	.6	--	27	--	4.0
APR.											
17...	7.7	9.2	4	1	12.4	1.2	.5	--	0	--	2.7
MAY											
07...	7.8	12.4	9	5	10.2	2.1	.3	--	6	--	6.4
JUNE											
04...	7.9	20.7	6	2	9.1	1.3	.3	--	8	--	8.5
JULY											
09...	8.1	26.3	1	1	9.6	2.2	.3	--	27	--	5.0
AUG.											
12...	7.6	21.5	4	1	8.6	3.5	.8	--	--	--	8.8
SEP.											
09...	--	19.5	2	1	9.2	1.2	--	--	--	--	4.5

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	14.0	4.0	3.0	0.0	---	7.0	---	22.0	23.0	25.0	---
2	---	15.0	4.0	2.0	0.0	---	6.0	12.0	28.0	23.0	24.0	---
3	---	12.0	3.0	2.0	1.0	2.0	7.0	---	23.0	21.0	25.0	---
4	---	12.0	3.0	1.0	1.0	2.0	---	---	27.0	22.0	21.0	---
5	---	12.0	5.0	2.0	1.0	2.0	---	11.0	21.0	29.0	23.0	---
6	15.0	11.0	2.0	---	1.0	3.0	---	12.0	21.0	24.0	21.0	---
7	13.0	---	2.0	---	1.0	3.0	4.0	13.0	23.0	---	24.0	---
8	---	11.0	2.0	2.0	0.0	2.0	5.0	---	19.0	24.0	24.0	---
9	14.0	---	2.0	2.0	0.0	3.0	5.0	12.0	22.0	22.0	23.0	20.0
10	---	9.0	---	3.0	0.0	4.0	5.0	12.0	---	---	20.0	20.0
11	---	10.0	2.0	2.0	---	4.0	---	15.0	---	---	24.0	22.0
12	15.0	10.0	4.0	2.0	1.0	4.0	5.0	14.0	20.0	25.0	22.0	20.0
13	15.0	10.0	---	---	---	4.0	---	15.0	19.0	22.0	26.0	19.0
14	---	10.0	3.0	1.0	---	2.0	---	14.0	19.0	21.0	21.0	20.0
15	15.0	10.0	1.0	2.0	---	2.0	---	---	20.0	20.0	23.0	18.0
16	12.0	---	1.0	1.0	2.0	3.0	---	16.0	---	24.0	22.0	17.0
17	12.0	8.0	2.0	1.0	2.0	4.0	---	---	23.0	23.0	21.0	20.0
18	11.0	---	2.0	1.0	0.0	4.0	---	---	22.0	24.0	22.0	---
19	---	7.0	1.0	0.0	2.0	---	---	16.0	21.0	26.0	24.0	18.0
20	12.0	8.0	2.0	---	3.0	3.0	8.0	16.0	21.0	26.0	22.0	20.0
21	12.0	8.0	2.0	0.0	2.0	4.0	---	16.0	21.0	26.0	24.0	17.0
22	---	8.0	3.0	1.0	3.0	4.0	---	---	---	26.0	25.0	20.0
23	9.0	7.0	2.0	---	1.0	4.0	9.0	21.0	---	26.0	24.0	20.0
24	8.0	5.0	2.0	1.0	1.0	6.0	10.0	19.0	---	26.0	24.0	17.0
25	---	6.0	2.0	1.0	3.0	7.0	10.0	20.0	24.0	26.0	20.0	16.0
26	---	5.0	1.0	0.0	2.0	6.0	9.0	20.0	24.0	25.0	21.0	16.0
27	12.0	4.0	1.0	0.0	2.0	---	---	20.0	21.0	25.0	22.0	15.0
28	11.0	5.0	3.0	2.0	2.0	---	---	20.0	21.0	---	24.0	16.0
29	11.0	5.0	1.0	1.0	---	7.0	---	21.0	24.0	25.0	22.0	16.0
30	---	5.0	3.0	1.0	---	---	---	21.0	21.0	25.0	25.0	15.0
31	---	---	4.0	0.0	---	6.0	---	---	---	24.0	22.0	---
MONTH	---	8.5	2.5	1.5	1.5	4.0	---	---	22.0	24.0	23.0	---

DELAWARE RIVER BASIN

01442750 DELAWARE RIVER AT DUNNFIELD, N.J.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	12000	14	454	2450	2	13	4670	1	13
2	9320	10	252	2380	2	13	5150	1	14
3	7390	7	140	2280	2	12	6460	3	52
4	6350	5	86	1940	2	10	6200	2	33
5	5600	4	60	2030	1	16	5300	1	14
6	4900	4	53	2060	3	17	4700	1	13
7	4390	3	36	3780	4	41	4250	1	11
8	4110	2	22	3990	4	43	10100	170	4640
9	3720	2	20	3690	3	30	45000	145	17600
10	3550	1	9.6	3070	2	17	38300	85	8790
11	4170	2	23	3000	3	24	25000	45	3040
12	4080	3	33	3370	3	27	18600	22	1100
13	4060	1	11	5440	18	264	15500	13	544
14	3880	1	8.3	11800	22	701	13500	7	255
15	3310	1	8.9	10500	13	369	11300	6	183
16	3010	2	16	9260	5	125	10400	6	168
17	3450	3	28	8480	3	69	11500	5	155
18	5200	9	126	7630	4	82	11500	4	124
19	4980	7	94	7050	4	76	9940	3	81
20	3450	3	28	6410	4	69	9030	3	73
21	3000	3	24	7450	3	60	8520	2	46
22	3510	2	19	10400	3	84	7100	2	38
23	3440	1	9.8	8740	5	118	6410	2	35
24	2930	1	7.9	7420	7	140	7040	2	38
25	2980	1	8.0	6820	6	110	7030	2	38
26	2840	2	15	6800	3	55	6730	2	36
27	2470	3	20	6510	3	53	7500	3	61
28	2390	3	19	5830	2	31	6770	2	37
29	2640	5	36	5320	2	29	5700	2	31
30	2710	4	29	4990	1	13	5250	2	28
31	2330	3	19	---	---	---	5870	2	32
MONTH	131660	---	1715.5	170890	---	2711	340320	---	37323

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	5920	1	16	11300	6	183	21300	7	403
2	4730	1	13	9720	5	131	16400	3	133
3	5410	1	15	8240	7	156	12900	4	139
4	4850	2	26	8440	8	182	11400	5	159
5	4090	3	33	7720	4	83	10200	3	83
6	3480	2	19	7370	2	40	9190	3	74
7	4550	2	25	7550	2	41	8560	4	92
8	4590	4	50	7120	3	58	8010	3	65
9	5790	5	78	5700	4	62	7090	2	38
10	12100	7	229	5040	6	82	5810	3	47
11	13900	16	600	6820	5	92	6740	1	18
12	20300	28	1140	6190	5	84	6630	3	54
13	24300	17	1120	5930	4	64	6480	1	17
14	21100	13	741	6750	5	91	6830	1	18
15	16200	9	394	6150	4	66	6330	3	51
16	13700	24	888	5150	6	83	5770	2	31
17	13100	16	566	4410	5	60	4870	2	26
18	11700	9	284	5740	6	93	5940	3	48
19	8890	7	168	6210	7	117	5810	1	16
20	9280	6	150	6150	4	66	18400	44	2190
21	9560	5	129	5910	1	16	36800	120	11900
22	7680	4	81	5120	1	14	25500	47	3240
23	7890	4	77	4880	1	13	20400	20	1100
24	6890	7	130	14900	30	1210	17400	11	517
25	7150	8	154	62700	320	37200	19000	7	359
26	8680	6	141	56300	88	12200	18800	5	254
27	12600	9	306	30300	35	3710	17600	4	190
28	11400	4	123	27400	25	1880	15000	3	121
29	10500	7	198	---	---	---	12300	3	100
30	11900	8	257	---	---	---	11800	4	127
31	12800	7	242	---	---	---	12500	9	304
MONTH	314030	---	8353	354610	---	59077	392160	---	21914

01442750 DELAWARE RIVER AT DUNNFIELD, N.J.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	12000	3	97	4800	1	13	4270	4	46
2	10500	8	227	4800	1	13	4430	3	36
3	13100	8	283	5400	1	15	4240	2	23
4	27000	46	3350	5400	1	15	4730	4	51
5	28000	32	2420	9250	3	75	4910	2	27
6	21000	17	944	12000	7	227	8250	3	67
7	17000	9	413	13100	12	424	17400	33	1550
8	15400	4	166	19200	33	1710	14600	24	946
9	13000	5	175	16200	15	656	10500	13	369
10	11500	4	124	13900	9	338	9650	6	156
11	10500	3	85	10700	5	144	9030	5	122
12	9860	2	53	9800	5	132	8640	5	114
13	9750	3	71	14600	11	434	14300	9	347
14	8083	3	65	17000	29	1330	16400	18	797
15	8000	2	43	16200	12	525	12400	16	536
16	7100	2	38	15100	7	285	10600	7	200
17	6900	2	37	15000	5	202	10200	7	193
18	6400	1	17	12400	4	134	8950	8	193
19	6200	2	33	11100	3	90	8000	5	108
20	5900	1	16	10400	4	114	7000	4	76
21	6200	1	17	8800	4	95	5700	3	46
22	6400	1	17	8200	3	66	5200	2	28
23	5900	1	16	8500	4	92	4500	2	24
24	5450	2	31	8200	7	155	4270	1	12
25	6550	6	106	7490	5	101	4000	6	65
26	6440	9	156	6990	7	130	3300	5	45
27	6300	3	51	5770	5	78	3000	4	32
28	5930	1	16	5970	3	48	3200	3	26
29	5400	1	15	4550	4	49	3500	4	38
30	5200	1	14	4260	2	23	3800	3	31
31	---	---	---	4260	2	23	---	---	---
MONTH	306360	---	3116	309640	---	7736	228770	---	6304

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	3500	2	13	3460	9	84	7000	4	76
2	3400	2	19	3110	7	59	4200	4	45
3	3000	2	16	2640	7	50	3650	3	30
4	2700	1	7.3	2600	9	63	3200	2	17
5	2300	3	19	2700	7	51	2900	2	16
6	2100	4	23	3300	5	45	2600	2	14
7	2100	3	17	3600	8	78	2000	1	5.4
8	2300	3	19	4200	9	102	1850	2	10
9	2100	4	23	3700	9	90	2500	3	20
10	2250	3	18	2800	8	60	2650	1	7.2
11	2500	4	27	2200	5	30	2500	1	6.8
12	2450	5	34	2500	3	20	2550	2	14
13	2900	7	55	2600	2	14	2220	2	12
14	5200	14	197	2440	3	20	1910	3	15
15	8000	9	194	2200	2	12	2380	7	45
16	6800	6	110	2300	2	12	2480	3	20
17	5800	5	78	2400	2	13	2240	1	6.0
18	4500	3	36	2500	2	14	2200	2	12
19	4200	5	57	2500	2	13	2150	1	5.8
20	4000	4	43	2300	2	12	2150	1	5.8
21	4700	6	76	2300	2	12	2300	1	6.2
22	6700	7	127	2200	2	12	2600	1	7.0
23	7100	11	211	2300	2	12	3430	1	9.3
24	5100	9	124	2400	2	13	4440	6	72
25	6500	7	123	3900	4	42	11300	16	488
26	8000	11	238	4200	3	34	28600	46	3550
27	6000	6	97	3500	2	19	21800	31	1820
28	5000	4	54	3000	2	16	14300	17	840
29	5000	3	40	2400	3	19	13600	8	294
30	6400	6	75	2550	5	34	11200	8	242
31	3800	5	51	6000	5	81	---	---	---
MONTH	135000	---	2229.3	90900	---	1136	172900	---	7711.5
YEAR	2947240		144326.3						

01442750 DELAWARE RIVER AT DUNNFIELD, N.J.--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
DEC.							
09...	1900	4400	2.0	110	1310	28	43
FEB.							
25...	0830	E63200	2.0	141	24100	--	19

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
DEC.							
09...	59	74	85	95	100	--	--
FEB.							
25...	27	55	58	84	95	99	100

01446550 DELAWARE RIVER NEAR MARTINS CREEK, PA. (ROXBURG, N.J.)

LOCATION.--Lat 40°47'20", long 75°06'59", Northampton County, at Pennsylvania Railroad crossing 900 ft (274 m) upstream from Oughoughton Creek, 4.7 mi (7.5 km) east of Martins Creek.

DRAINAGE AREA.--4,546 mi^2 (11,774 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1975.

REMARKS.--Operated as part of the USGS-EPA surveillance network. Records of discharge are given for 01446500 Delaware River at Belvidere, N.J.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	SUSPENDED SOLIDS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.											
09...	1240	4510	.19	.29	.69	.98	1.2	.05	79	--	140
17...	1110	5160	.25	.42	.58	1.0	1.3	.06	99	5	150
23...	1015	3920	.11	.21	.13	.34	.45	.02	73	7	145
NOV.											
06...	0900	2520	.17	.24	.17	.41	.58	.04	78	--	160
20...	1400	7180	.40	.25	.25	.50	.90	.02	80	3	190
26...	0935	7940	.38	.07	.09	.16	.54	.03	85	14	140
DEC.											
12...	1200	22700	1.5	.09	.30	.39	1.9	.05	75	120	90
26...	1030	8060	.42	.00	.16	.16	.58	.02	75	6	160
JAN.											
02...	1025	6090	.70	.01	.22	.23	.93	.03	143	9	215
15...	0900	20600	4.9	.03	.43	.46	5.4	.05	166	83	260
29...	1500	13900	.80	.14	.65	.79	1.6	.04	102	10	200
FEB.											
06...	1200	10200	.49	.02	.16	.18	.67	.02	89	2	150
19...	1130	7280	.54	.08	.08	.16	.70	.02	77	4	200
MAR.											
05...	1400	14000	.50	.08	.21	.29	.79	.05	88	5	170
13...	1000	8400	.38	.11	.17	.28	.66	.03	58	25	190
26...	1045	23500	4.4	.15	.29	.44	4.8	.05	152	15	280
APR.											
09...	1010	17200	1.4	.19	.57	.76	2.2	.05	89	6	180
18...	0800	8100	.27	.01	.11	.12	.39	.02	54	30	140
MAY											
02...	0710	5900	.38	.34	.55	.89	1.3	.04	80	10	140
14...	0955	20200	.42	.09	.22	.31	.73	.04	--	19	130
23...	1000	10000	.39	.27	1.0	1.3	1.7	.13	130	58	220
JUNE											
06...	0935	8300	.57	.04	.31	.35	.92	.10	128	48	300
19...	1115	9740	.36	.26	.58	.84	1.2	.08	110	17	200
26...	1200	3800	2.2	.33	1.1	1.4	3.6	.11	217	275	375
JULY											
11...	1000	3710	.13	.00	1.0	1.0	1.1	.11	116	58	240
24...	1300	5950	.81	.09	.82	.91	1.7	.04	137	65	275
AUG.											
15...	1200	2640	.19	.24	.96	1.2	1.4	.04	133	4	200
27...	1440	4120	.38	.20	.64	.84	1.2	.04	117	2	190
SEP.											
05...	1200	3350	.22	.01	.73	.74	.96	.13	--	--	310
26...	1300	35200	.38	.17	.59	.76	1.1	.04	--	--	200

01446550 DELAWARE RIVER NEAR MARTINS CREEK, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
09...	8.6	13.0	1	10.5	10	7.8	2.0	1.0	--	--	25
17...	7.6	13.5	2	9.8	13	4.4	3.6	.2	1800	820	8.0
23...	--	8.8	2	11.5	8	5.0	1.4	.8	--	--	2.6
NOV.											
06...	--	16.0	2	9.2	6	1.8	3.1	.0	--	--	5.2
20...	--	19.5	3	9.0	8	4.8	3.6	.2	E30	E17	3.0
26...	--	16.0	2	9.8	8	1.0	1.8	.0	E10	E23	5.1
DEC.											
12...	--	4.0	10	13.0	9	.8	3.0	.6	320	540	--
26...	--	11.5	3	13.2	8	.6	1.0	.6	35	--	14
JAN.											
02...	--	13.0	5	10.0	6	1.4	1.6	.0	E8	E16	2.0
15...	--	1.0	10	13.2	13	1.2	1.5	1.2	E21	300	3.1
29...	--	10.5	4	10.8	9	.6	3.2	1.7	--	--	3.7
FEB.											
06...	--	11.5	3	13.0	8	--	.2	1.4	E7	93	3.5
19...	--	17.5	3	10.1	8	--	.9	1.4	--	--	1.8
MAR.											
05...	7.5	10.0	6	11.4	14	--	5.3	17	470	E480	--
13...	6.8	18.0	2	10.0	47	--	.3	.7	30	90	5.6
26...	6.5	6.0	8	12.1	10	2.1	--	--	--	--	4.0
APR.											
09...	--	12.0	3	10.8	8	--	--	--	--	--	2.5
18...	--	20.0	2	9.4	9	1.9	--	--	--	--	3.3
MAY											
02...	7.5	27.0	1	8.7	15	4.5	--	--	--	--	3.2
14...	--	22.0	6	9.2	14	2.0	.0	.0	440	380	3.9
23...	6.9	28.5	4	7.2	16	6.4	1.2	.0	350	410	5.4
JUNE											
06...	6.9	23.0	6	7.9	14	2.0	--	--	260	420	3.8
19...	7.5	29.5	3	7.9	11	3.6	3.0	.0	620	220	2.4
26...	7.1	25.0	12	8.5	42	5.8	2.2	.0	--	E4000	7.0
JULY											
11...	--	30.0	7	9.0	10	2.5	8.8	.0	390	--	4.8
24...	6.9	29.5	9	7.0	22	3.3	--	--	38	E28	2.4
AUG.											
15...	7.1	33.0	3	9.0	29	6.5	--	--	50	18	--
27...	7.5	36.5	1	5.5	14	2.4	--	--	89	120	4.3
SEP.											
05...	7.1	18.5	30	9.2	15	--	--	--	38	10	--
26...	7.1	15.5	2	7.3	10	1.8	--	--	E15	51	--

01446700 DELAWARE RIVER AT EASTON, PA.

LOCATION.--Lat 40°42'43", long 75°11'48", Northampton County, at gaging station on right bank 200 ft (61 m) from city of Easton pumping station, 1.2 mi (1.9 km) upstream from Bushkill Creek in Easton.

DRAINAGE AREA.--4,640 mi^2 (12,000 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1947 to September 1951, October 1957 to September 1958, November 1967 to September 1975.
Water temperatures: October 1947 to September 1949, October 1957 to September 1958, October 1963 to September 1964, November 1967 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 214 micromhos Aug. 23; minimum, 84 micromhos Feb. 26.
Dissolved oxygen: Maximum, 18.1 mg/l Jan. 21; minimum, 4.8 mg/l July 9.
pH: Maximum, 8.9 April 30, July 9-11; minimum, 6.2 May 15, 16, 18.
Water temperatures: Maximum, 26.5°C June 24; minimum, freezing point Jan. 21, Feb. 26, 27.

Period of record:
Specific conductance (1967-75): Maximum, 499 micromhos Nov. 26, 1970; minimum, 40 micromhos Apr. 6, 1970.
Dissolved oxygen (1967-75): Maximum, 18.1 mg/l Jan. 21, 1975; minimum, 4.8 mg/l July 9, 1975.
pH (1967-75): Maximum, 9.8 May 16, 1970; minimum, 5.7 May 24, 1970.
Water temperatures: Maximum, 30.0°C July 18, 1968, July 28-29, 1970; minimum, freezing point on many days during winter periods.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	99	106	192	174	180				---	---	---
2	106	93	100	180	173	177				---	---	---
3	109	96	102	185	173	180				---	---	---
4	113	106	110	185	175	180				---	---	---
5	117	109	115	188	178	183				---	---	---
6	122	115	119	189	180	184				---	---	---
7	127	119	123	187	159	177				---	---	---
8	133	126	129	157	144	151				---	---	---
9	131	122	126	150	140	147				---	---	---
10	142	120	127	---	---	---				---	---	---
11	140	120	127	---	---	---				---	---	---
12	124	108	117	---	---	---				---	---	---
13	129	112	117	---	---	---				---	---	---
14	125	116	120	---	---	---				---	---	---
15	145	126	138	---	---	---				---	---	---
16	151	130	138	---	---	---				110	107	---
17	191	152	163	---	---	---				110	107	109
18	158	131	148	---	---	---				117	107	112
19	130	120	125	---	---	---				137	118	129
20	132	118	124	---	---	---				139	132	136
21	141	130	136	---	---	---				133	128	132
22	146	135	143	---	---	---				144	129	139
23	157	140	150	---	---	---				154	138	144
24	161	150	154	---	---	---				149	139	144
25	171	160	167	---	---	---				158	140	150
26	168	162	165	---	---	---				160	147	155
27	194	163	169	---	---	---				146	118	129
28	179	173	177	---	---	---				121	116	118
29	182	170	177	---	---	---				127	120	123
30	188	164	171	---	---	---				127	123	---
31	179	163	171	---	---	---				---	---	---
MONTH	194	93	137	---	---	---				---	---	---

01446700 DELAWARE RIVER AT EASTON, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	119	117	118	149	145	148
2	---	---	---	---	---	---	122	119	121	154	150	153
3	---	---	---	---	---	---	132	122	127	155	146	152
4	---	---	---	---	---	---	133	124	---	153	145	147
5	---	---	---	---	---	---	---	---	---	148	134	143
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	101	97	---
9	---	---	---	---	---	---	---	---	---	99	97	99
10	---	---	---	---	---	---	---	---	---	105	100	102
11	---	---	---	---	---	---	---	---	---	111	106	108
12	154	151	---	---	---	---	---	---	---	114	111	113
13	159	150	154	150	146	---	---	---	---	115	106	112
14	157	150	153	148	143	146	---	---	---	104	95	99
15	157	141	148	149	144	147	---	---	---	95	93	93
16	151	139	145	151	147	150	---	---	---	101	92	96
17	158	140	145	153	147	150	---	---	---	101	96	98
18	160	150	156	153	141	146	---	---	---	102	98	100
19	155	147	151	152	141	143	---	---	---	105	101	103
20	148	142	145	155	123	142	---	---	---	105	99	102
21	145	141	143	121	109	113	---	---	---	114	101	---
22	143	139	141	110	107	108	136	129	---	---	---	---
23	146	140	143	113	110	111	132	128	131	---	---	---
24	145	131	138	117	112	115	134	130	132	---	---	---
25	134	99	118	119	113	115	139	135	137	---	---	---
26	101	84	92	115	111	113	138	130	133	---	---	---
27	87	85	---	114	111	113	133	130	131	---	---	---
28	---	---	---	115	113	114	134	132	133	---	---	---
29	---	---	---	120	115	118	134	131	132	155	139	---
30	---	---	---	122	119	121	146	130	137	161	155	158
31	---	---	---	122	119	120	---	---	---	168	158	164
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	173	162	168	153	141	148	---	---	---	145	118	123
2	171	161	166	142	132	138	---	---	---	133	124	130
3	163	160	162	142	131	136	---	---	---	140	134	136
4	161	155	159	145	139	142	---	---	---	140	135	137
5	158	149	155	152	141	144	---	---	---	142	136	139
6	171	150	161	155	150	152	---	---	---	149	136	142
7	156	116	133	158	147	151	---	---	---	158	146	149
8	117	114	116	159	153	156	---	---	---	169	159	164
9	124	115	119	175	165	169	---	---	---	169	164	167
10	127	114	121	179	174	175	---	---	---	163	134	143
11	122	115	119	195	172	177	---	---	---	142	132	135
12	130	117	125	169	160	---	---	---	---	146	130	138
13	134	110	126	---	---	---	---	---	---	157	143	151
14	104	97	101	---	---	---	---	---	---	169	157	163
15	103	100	101	---	---	---	---	---	---	170	152	160
16	105	103	104	---	---	---	---	---	---	155	152	153
17	111	107	109	---	---	---	---	---	---	164	152	159
18	112	109	111	208	181	198	---	---	---	177	161	167
19	132	113	124	207	195	202	---	---	---	186	177	181
20	133	125	129	195	175	184	195	188	---	188	178	183
21	135	125	130	211	180	202	210	146	201	199	183	189
22	142	136	139	210	155	181	213	204	208	199	191	195
23	143	139	141	159	145	145	214	205	210	196	182	187
24	143	132	137	154	147	153	204	199	203	207	182	195
25	154	144	---	154	138	---	204	178	193	197	192	---
26	165	159	161	---	---	---	203	174	195	---	---	---
27	165	162	164	---	---	---	189	171	177	---	---	---
28	166	161	164	---	---	---	198	175	174	---	---	---
29	165	152	154	---	---	---	195	186	189	---	---	---
30	159	151	154	---	---	---	195	192	195	---	---	---
31	---	---	---	---	---	---	197	194	189	---	---	---
MONTH	173	97	136	---	---	---	---	---	---	207	118	155

01446700 DELAWARE RIVER AT EASTON, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11.5	9.4	10.3				---	---	---
2	9.9	9.6	---	11.2	8.9	9.9				---	---	---
3	10.7	9.9	10.4	9.8	8.5	9.1				---	---	---
4	11.2	10.6	10.9	10.7	8.1	9.4				---	---	---
5	11.4	10.3	11.1	9.5	8.5	9.0				---	---	---
6	10.9	9.7	10.5	10.5	9.0	9.6				---	---	---
7	10.8	10.2	10.4	10.5	9.1	9.8				---	---	---
8	10.9	10.1	10.5	11.5	9.8	10.7				---	---	---
9	11.3	10.0	10.6	12.0	10.6	11.2				---	---	---
10	11.7	10.4	10.9	---	---	---				---	---	---
11	11.8	10.1	10.9	---	---	---				---	---	---
12	11.1	9.0	9.9	---	---	---				---	---	---
13	11.2	10.0	10.5	---	---	---				---	---	---
14	10.2	8.2	9.5	---	---	---				---	---	---
15	9.3	7.8	8.3	---	---	---				---	---	---
16	9.7	7.2	8.4	---	---	---				16.4	14.2	---
17	10.2	9.8	---	---	---	---				16.8	9.7	13.2
18	---	---	---	---	---	---				16.1	12.3	13.3
19	---	---	---	---	---	---				16.5	14.7	15.4
20	---	---	---	---	---	---				16.1	14.8	15.3
21	---	---	---	---	---	---				18.1	16.4	17.3
22	---	---	---	---	---	---				17.7	13.3	15.0
23	12.0	11.1	---	---	---	---				14.1	13.4	13.7
24	12.1	11.1	11.5	---	---	---				14.6	12.6	13.6
25	11.6	10.6	11.1	---	---	---				12.6	11.5	12.1
26	11.4	10.4	11.0	---	---	---				12.2	11.3	11.8
27	11.7	10.4	10.9	---	---	---				12.9	12.2	12.5
28	11.4	10.1	10.9	---	---	---				13.2	13.1	13.1
29	11.7	10.0	10.8	---	---	---				13.4	12.1	12.8
30	12.5	10.2	11.2	---	---	---				12.1	12.0	---
31	11.4	10.0	10.7	---	---	---				---	---	---
MONTH	12.5	7.2	---	---	---	---				---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	13.3	11.6	12.5	10.9	10.2	10.5
2	---	---	---	---	---	---	11.8	10.8	11.4	11.8	10.1	10.9
3	---	---	---	---	---	---	10.9	10.2	10.5	12.1	10.2	11.1
4	---	---	---	---	---	---	12.3	11.0	---	10.5	9.7	10.0
5	---	---	---	---	---	---	---	---	---	10.9	9.8	10.3
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	10.6	10.3	---
9	---	---	---	---	---	---	---	---	---	10.6	10.2	10.4
10	---	---	---	---	---	---	---	---	---	10.7	10.0	10.4
11	---	---	---	---	---	---	---	---	---	10.7	9.9	10.3
12	14.1	13.7	---	---	---	---	---	---	---	10.2	9.4	9.8
13	13.8	11.1	12.3	12.0	11.2	---	---	---	---	10.0	9.1	9.5
14	14.4	10.6	12.5	12.7	11.6	12.1	---	---	---	10.1	8.9	9.6
15	14.1	10.4	12.1	13.5	12.2	12.8	---	---	---	9.8	9.3	9.6
16	12.0	11.1	---	13.3	12.5	12.8	10.9	10.3	---	9.5	9.1	9.3
17	---	---	---	12.5	10.7	11.7	10.6	9.8	10.3	9.7	8.9	9.3
18	---	---	---	11.2	10.2	10.6	10.1	9.3	9.8	9.1	8.4	8.6
19	12.9	12.7	---	12.0	10.0	11.2	9.6	9.1	9.4	8.6	8.1	8.4
20	13.4	12.5	13.0	12.3	11.2	11.6	10.0	9.2	9.6	8.4	7.7	8.1
21	13.1	11.9	12.5	14.1	12.4	13.4	10.1	9.3	9.7	8.7	7.3	---
22	12.6	12.1	---	14.6	13.8	14.3	12.0	9.4	10.8	---	---	---
23	---	---	---	14.1	12.7	13.5	11.9	11.0	11.5	---	---	---
24	---	---	---	12.9	12.6	12.8	11.3	10.4	10.8	---	---	---
25	---	---	---	12.8	12.2	12.5	11.4	10.1	10.6	---	---	---
26	12.9	11.9	---	12.9	12.1	12.4	11.4	10.0	10.6	---	---	---
27	12.9	11.4	---	13.7	12.9	13.3	11.8	10.1	11.0	---	---	---
28	---	---	---	15.7	13.5	14.1	12.0	10.6	11.2	---	---	---
29	---	---	---	14.1	11.9	13.1	12.0	10.2	11.0	9.3	8.0	---
30	---	---	---	13.5	12.7	13.2	12.5	10.5	11.4	8.1	7.4	7.7
31	---	---	---	13.8	12.6	13.1	---	---	---	9.6	7.5	8.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01446700 DELAWARE RIVER AT EASTON, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.3	7.6	9.9	7.2	8.5	---	---	---	8.6	7.9	8.4
2	8.6	7.5	8.1	10.2	7.1	8.6	---	---	---	---	---	---
3	8.5	7.5	8.0	9.8	6.6	7.8	---	---	---	9.5	9.0	---
4	9.0	7.5	8.2	9.8	6.3	8.1	---	---	---	9.7	8.8	9.2
5	8.9	7.4	8.2	10.2	6.3	8.2	---	---	---	9.8	8.6	9.2
6	8.7	8.2	---	9.7	6.1	7.7	---	---	---	9.6	8.1	8.8
7	---	---	---	9.1	5.6	7.2	---	---	---	9.7	8.3	9.0
8	---	---	---	8.4	5.2	6.8	---	---	---	9.3	8.0	8.6
9	---	---	---	8.9	4.8	6.9	---	---	---	8.9	7.3	8.2
10	---	---	---	9.6	5.9	7.8	---	---	---	9.3	7.7	8.6
11	---	---	---	10.2	6.0	8.1	---	---	---	9.1	8.0	8.5
12	---	---	---	7.5	6.2	---	---	---	---	8.2	7.5	7.9
13	---	---	---	---	---	---	---	---	---	9.0	7.3	8.3
14	---	---	---	---	---	---	---	---	---	9.9	8.5	9.2
15	---	---	---	---	---	---	---	---	---	10.0	8.4	9.2
16	---	---	---	---	---	---	---	---	---	9.4	7.6	8.8
17	---	---	---	---	---	---	---	---	---	10.1	8.3	9.2
18	10.0	9.3	---	7.7	6.2	7.1	---	---	---	9.9	8.5	9.0
19	9.2	8.6	8.9	7.6	6.4	7.0	---	---	---	9.1	8.4	8.7
20	9.5	8.6	9.0	7.4	6.1	6.6	9.1	7.4	---	9.4	8.2	8.7
21	9.8	8.4	9.1	6.6	6.2	6.4	9.2	6.5	7.8	8.8	7.7	8.2
22	10.2	8.2	9.3	6.6	5.8	6.2	8.8	6.5	7.6	9.0	7.6	8.2
23	10.4	7.7	9.1	6.9	5.8	6.3	9.2	6.6	7.8	8.0	7.2	7.7
24	10.3	7.2	8.7	6.9	5.7	6.2	7.7	6.5	7.1	8.4	7.8	8.1
25	9.7	7.6	---	---	---	---	6.9	6.6	6.7	---	---	---
26	9.6	7.1	8.3	---	---	---	6.5	6.2	---	---	---	---
27	9.2	7.1	8.2	---	---	---	---	---	---	---	---	---
28	9.7	7.2	8.3	---	---	---	8.9	8.0	---	---	---	---
29	8.7	7.4	8.0	---	---	---	9.0	7.5	8.2	---	---	---
30	9.3	7.4	8.2	---	---	---	8.6	7.1	7.8	---	---	---
31	---	---	---	---	---	---	9.2	7.5	8.3	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.9	7.0	8.5	7.1	7.8				---	---	---
2	7.1	6.9	7.0	8.6	7.1	7.9				---	---	---
3	7.2	7.0	7.1	7.9	7.1	7.4				---	---	---
4	7.4	7.1	7.2	8.4	7.0	7.6				---	---	---
5	7.5	7.1	7.3	7.5	7.0	7.2				---	---	---
6	7.7	7.1	7.3	8.2	7.0	7.5				---	---	---
7	7.7	7.1	7.4	8.0	7.2	7.5				---	---	---
8	7.9	7.1	7.5	8.1	7.0	7.5				---	---	---
9	8.1	7.0	7.6	8.3	7.1	7.6				---	---	---
10	8.3	7.2	7.7	7.7	7.2	7.4				---	---	---
11	8.0	7.5	---	7.3	6.9	---				---	---	---
12	---	---	---	---	---	---				---	---	---
13	---	---	---	---	---	---				---	---	---
14	---	---	---	---	---	---				---	---	---
15	---	---	---	---	---	---				---	---	---
16	7.0	7.0	---	---	---	---				7.3	7.2	---
17	7.5	6.9	7.2	---	---	---				7.3	7.2	7.2
18	7.5	7.0	7.2	---	---	---				7.3	7.2	7.3
19	7.5	6.9	7.2	---	---	---				7.4	7.3	7.4
20	7.5	6.9	7.2	---	---	---				7.4	7.3	7.4
21	7.7	7.0	7.3	---	---	---				7.4	7.3	7.3
22	7.8	7.0	7.3	---	---	---				7.4	7.3	7.4
23	7.9	6.9	7.4	---	---	---				7.4	7.1	7.3
24	8.1	7.0	7.5	---	---	---				7.2	7.0	7.1
25	7.6	7.0	7.3	---	---	---				7.2	7.1	7.1
26	8.2	7.0	7.6	---	---	---				7.3	7.1	7.2
27	8.3	7.1	7.7	---	---	---				7.1	7.0	7.0
28	8.3	7.2	7.7	---	---	---				7.0	6.9	7.0
29	8.3	7.1	7.7	---	---	---				7.1	6.8	6.9
30	8.5	7.1	7.7	---	---	---				6.9	6.9	---
31	8.5	7.2	7.8	---	---	---				---	---	---
MONTH	8.5	6.9	7.4	---	---	---				---	---	---

DELAWARE RIVER BASIN

01446700 DELAWARE RIVER AT EASTON, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.1	6.9	7.0	8.2	7.4	7.7
2	---	---	---	---	---	---	7.1	6.9	7.0	8.5	7.2	7.8
3	---	---	---	---	---	---	7.1	6.9	7.0	8.8	7.3	8.1
4	---	---	---	---	---	---	7.0	6.8	6.9	8.0	7.1	7.4
5	---	---	---	---	---	---	6.9	6.9	6.9	8.0	7.0	7.4
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	7.2	7.0	---	---	---	---
8	---	---	---	---	---	---	7.1	7.0	7.0	7.2	6.9	---
9	---	---	---	---	---	---	7.2	7.0	7.1	7.0	6.8	---
10	---	---	---	---	---	---	7.3	7.1	7.2	---	---	---
11	---	---	---	---	---	---	7.2	7.1	7.1	---	---	---
12	7.1	7.0	---	---	---	---	7.2	7.1	7.1	---	---	---
13	7.2	6.9	7.1	6.8	6.6	---	7.1	7.1	7.1	---	---	---
14	7.2	7.0	7.1	6.8	6.6	6.7	7.1	7.0	7.1	6.6	6.3	---
15	7.2	6.9	7.1	6.8	6.6	6.7	7.1	7.0	7.0	6.5	6.2	6.3
16	7.2	6.9	7.0	6.8	6.7	6.7	7.1	7.0	7.0	6.6	6.2	6.4
17	7.1	6.9	7.0	6.9	6.7	6.8	7.1	7.0	7.0	6.6	6.3	6.4
18	7.2	6.9	7.1	6.9	6.7	6.8	7.0	6.9	7.0	6.5	6.2	6.4
19	7.2	6.9	7.0	7.1	6.7	6.9	7.0	6.9	6.9	6.9	6.4	6.6
20	7.0	6.8	6.9	7.2	6.8	7.0	6.9	6.7	6.8	7.3	6.6	6.9
21	7.1	6.8	6.9	6.8	6.5	6.6	6.8	6.7	6.7	7.0	6.8	---
22	7.1	6.7	6.9	6.6	6.6	6.6	7.9	6.6	7.1	---	---	---
23	6.8	6.7	6.8	6.7	6.6	6.7	8.1	7.0	7.6	---	---	---
24	6.7	6.7	---	6.7	6.7	6.7	7.5	7.1	7.3	---	---	---
25	---	---	---	6.8	6.7	6.7	7.8	7.0	7.3	---	---	---
26	---	---	---	6.8	6.7	6.7	8.0	7.0	7.5	---	---	---
27	---	---	---	6.8	6.7	6.8	8.2	6.9	7.5	---	---	---
28	---	---	---	6.9	6.7	6.8	8.3	7.0	7.7	---	---	---
29	---	---	---	7.0	6.8	6.9	8.1	6.9	7.5	7.9	7.0	---
30	---	---	---	7.0	6.9	6.9	8.9	6.9	7.9	6.9	6.5	6.6
31	---	---	---	7.0	6.9	7.0	---	---	---	7.0	6.4	6.6
MONTH	---	---	---	---	---	---	8.9	6.6	7.2	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.4	6.6	8.6	6.8	7.7	---	---	---	7.1	6.8	6.9
2	7.3	6.5	6.9	8.6	7.1	8.0	---	---	---	7.0	6.8	6.9
3	7.4	6.6	6.9	8.4	6.9	7.6	---	---	---	7.2	6.8	6.9
4	7.8	6.6	7.2	8.5	6.7	7.6	---	---	---	7.1	6.7	6.9
5	7.7	6.9	7.3	8.6	6.9	7.9	---	---	---	7.2	6.7	6.9
6	7.4	7.1	7.2	8.6	7.0	7.9	---	---	---	7.2	6.7	6.9
7	7.1	6.6	6.8	8.4	6.8	7.7	---	---	---	7.4	6.7	7.0
8	6.6	6.5	6.6	8.4	6.8	7.7	---	---	---	7.4	6.7	7.0
9	6.7	6.5	6.6	8.9	6.9	8.0	---	---	---	7.4	6.7	7.0
10	6.7	6.4	6.6	8.9	7.6	8.3	---	---	---	7.5	6.6	7.1
11	6.6	6.4	---	8.9	7.8	8.5	---	---	---	7.1	6.7	6.8
12	---	---	---	8.6	7.9	---	---	---	---	6.7	6.5	6.6
13	---	---	---	---	---	---	---	---	---	7.0	6.4	6.7
14	---	---	---	---	---	---	---	---	---	7.3	6.6	6.9
15	---	---	---	---	---	---	---	---	---	7.4	6.7	7.0
16	---	---	---	---	---	---	---	---	---	7.3	6.7	7.0
17	---	---	---	---	---	---	---	---	---	7.5	6.7	7.0
18	7.5	7.0	---	7.9	7.5	---	---	---	---	7.9	7.1	7.5
19	7.5	6.7	7.0	7.8	7.4	7.6	---	---	---	7.5	7.2	7.3
20	7.5	6.8	7.2	7.6	7.2	7.3	8.3	7.7	---	7.8	7.2	7.4
21	7.9	6.9	7.3	7.4	7.2	7.3	8.1	7.3	7.7	7.8	7.2	7.4
22	8.3	7.0	7.7	7.5	7.2	7.3	8.0	7.2	7.6	8.0	7.3	7.6
23	8.6	7.2	8.0	7.4	7.1	7.2	8.0	7.1	7.5	7.4	7.2	7.3
24	8.6	7.0	8.0	7.6	6.9	7.2	7.3	7.0	7.1	7.4	7.1	7.2
25	8.7	7.3	---	7.2	6.9	---	7.0	6.7	6.9	7.5	6.9	7.1
26	8.5	7.3	7.9	---	---	---	7.1	6.9	7.0	7.7	6.9	---
27	8.0	7.1	7.6	---	---	---	7.3	6.8	7.0	---	---	---
28	8.2	6.9	7.4	---	---	---	7.7	6.8	7.3	---	---	---
29	7.6	6.9	7.2	---	---	---	7.6	7.1	7.4	---	---	---
30	8.1	6.8	7.3	---	---	---	7.5	7.1	7.2	---	---	---
31	---	---	---	---	---	---	7.5	7.1	7.2	---	---	---
MONTH	8.7	6.4	---	---	---	---	---	---	---	8.0	6.4	7.1

01446700 DELAWARE RIVER AT EASTON, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.0	14.5	15.0	14.5	12.0	13.5				---	---	---
2	14.5	12.0	13.5	16.0	14.0	15.0				---	---	---
3	12.0	10.0	11.0	15.5	15.0	15.0				---	---	---
4	11.0	9.0	10.0	17.0	15.0	16.0				---	---	---
5	10.5	8.5	9.5	16.5	15.0	16.0				---	---	---
6	12.0	9.0	10.5	15.5	14.0	14.5				---	---	---
7	13.0	10.5	11.5	14.5	13.0	14.0				---	---	---
8	12.0	10.0	11.0	12.0	10.5	11.0				---	---	---
9	13.0	10.0	11.5	11.0	9.0	10.0				---	---	---
10	13.5	11.0	12.5	---	---	---				---	---	---
11	14.0	11.5	13.0	---	---	---				---	---	---
12	14.5	12.0	13.0	---	---	---				---	---	---
13	14.0	13.5	13.5	---	---	---				---	---	---
14	14.0	13.5	13.5	---	---	---				---	---	---
15	14.5	13.5	14.0	---	---	---				---	---	---
16	14.5	13.0	14.0	---	---	---				1.5	1.0	---
17	15.0	13.5	14.0	---	---	---				1.5	0.5	1.0
18	14.0	11.0	13.0	---	---	---				1.5	0.5	1.0
19	11.0	9.5	10.0	---	---	---				3.0	1.0	2.0
20	9.5	6.5	9.0	---	---	---				3.0	1.0	2.0
21	6.5	5.5	6.0	---	---	---				1.0	0.0	0.5
22	6.5	4.0	5.5	---	---	---				3.0	0.5	2.0
23	9.0	6.5	7.5	---	---	---				3.0	1.5	2.5
24	9.5	6.0	8.0	---	---	---				3.5	1.5	2.5
25	8.5	8.0	8.0	---	---	---				4.5	3.5	4.0
26	10.0	8.5	9.0	---	---	---				4.5	3.5	4.0
27	11.0	8.5	9.5	---	---	---				4.0	3.5	4.0
28	11.0	9.0	10.0	---	---	---				3.5	3.0	3.5
29	11.5	10.0	10.5	---	---	---				4.5	3.0	3.5
30	11.5	10.0	10.5	---	---	---				4.5	4.	---
31	13.0	10.5	11.5	---	---	---				---	--	---
MONTH	16.0	4.0	11.0	---	---	---				---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	8.0	4.5	6.5	14.0	13.0	13.5
2	---	---	---	---	---	---	10.0	6.5	8.5	14.5	12.0	13.5
3	---	---	---	---	---	---	9.5	8.0	9.0	15.5	12.0	14.0
4	---	---	---	---	---	---	7.0	5.5	6.5	15.0	13.0	14.0
5	---	---	---	---	---	---	5.5	4.5	5.0	15.5	12.0	14.0
6	---	---	---	---	---	---	5.0	4.5	4.5	---	---	---
7	---	---	---	---	---	---	6.5	4.0	5.0	---	---	---
8	---	---	---	---	---	---	9.0	6.0	7.5	13.0	11.0	---
9	---	---	---	---	---	---	10.0	7.0	8.5	13.5	11.0	12.0
10	---	---	---	---	---	---	11.0	8.5	10.0	14.5	12.0	13.5
11	---	---	---	---	---	---	12.0	9.5	10.5	14.5	12.0	13.5
12	1.0	0.5	---	---	---	---	12.0	11.0	11.5	15.5	14.0	14.5
13	3.5	0.5	2.0	7.0	5.0	---	12.0	11.0	11.5	16.0	14.5	15.0
14	3.5	0.5	1.5	5.5	4.5	5.0	11.5	10.5	---	16.5	13.5	15.5
15	3.5	0.5	2.0	6.0	3.5	4.5	---	---	---	18.0	15.5	16.5
16	3.5	2.0	3.0	5.5	4.0	5.0	10.0	9.5	---	19.0	17.0	18.0
17	4.0	3.0	3.5	9.0	5.0	7.0	11.5	9.5	10.5	19.0	16.5	18.0
18	4.0	4.0	---	10.0	6.5	8.5	11.5	10.5	11.0	18.5	17.0	18.0
19	4.0	3.0	---	9.0	6.5	8.5	12.0	11.5	12.0	20.0	17.0	18.5
20	3.5	1.5	2.5	9.0	6.5	8.5	12.0	11.0	11.5	21.0	19.0	20.0
21	4.0	1.5	3.0	6.5	4.5	5.5	13.0	11.0	11.5	20.5	19.5	---
22	5.0	1.5	3.5	5.0	4.0	4.5	13.0	10.5	11.5	---	---	---
23	4.5	3.5	4.0	7.0	4.5	5.5	13.5	10.0	12.0	---	---	---
24	4.5	4.0	4.5	6.5	6.0	6.5	13.0	11.5	12.5	---	---	---
25	4.5	2.0	3.0	8.0	6.0	7.0	14.0	12.0	13.5	---	---	---
26	0.5	0.0	---	7.0	5.0	6.0	15.0	13.0	14.0	---	---	---
27	0.0	0.0	---	5.0	3.5	4.5	14.0	12.0	13.0	---	---	---
28	---	---	---	5.0	3.0	4.0	14.0	11.5	13.0	---	---	---
29	---	---	---	4.5	4.0	4.5	13.5	12.0	13.0	24.0	23.0	---
30	---	---	---	5.5	4.5	5.0	15.0	11.5	13.0	22.0	20.5	21.5
31	---	---	---	6.0	4.0	5.0	---	---	---	21.5	20.0	21.0
MONTH	---	---	---	---	---	---	15.0	4.0	10.0	---	---	---

DELAWARE RIVER BASIN

01446700 DELAWARE RIVER AT EASTON, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	21.0	21.5	24.0	20.0	22.0	---	---	---	---	---	---
2	23.0	20.5	21.5	24.5	21.0	23.0	---	---	---	---	---	---
3	23.5	21.0	22.0	24.5	22.0	23.5	---	---	---	21.0	20.0	---
4	23.5	21.0	22.0	24.5	22.0	23.5	---	---	---	20.5	18.5	19.5
5	22.0	20.0	21.0	24.5	22.0	23.5	---	---	---	21.5	19.0	20.5
6	20.0	17.0	19.0	24.5	22.0	23.5	---	---	---	21.0	20.0	20.5
7	17.0	16.0	16.5	25.0	22.0	23.5	---	---	---	22.0	19.5	20.5
8	16.0	15.0	15.5	25.0	23.5	24.0	---	---	---	22.0	20.0	21.0
9	18.0	15.0	16.0	24.5	23.5	24.0	---	---	---	23.0	20.5	21.5
10	18.5	17.0	18.0	25.5	23.0	24.0	---	---	---	21.5	18.5	20.0
11	19.0	17.0	18.0	25.5	23.5	24.5	---	---	---	19.5	18.5	19.0
12	18.5	17.0	18.0	24.5	24.0	---	---	---	---	19.5	18.5	19.0
13	20.0	17.0	19.0	---	---	---	---	---	---	18.5	16.5	17.5
14	20.0	18.5	19.0	---	---	---	---	---	---	16.5	14.5	15.5
15	19.5	18.5	19.0	---	---	---	---	---	---	15.0	13.5	14.5
16	19.5	18.0	18.5	---	---	---	---	---	---	15.0	13.5	14.5
17	20.0	19.0	19.5	---	---	---	---	---	---	17.0	14.5	15.5
18	21.5	19.5	20.5	25.5	23.5	24.5	---	---	---	16.5	16.0	16.5
19	22.0	20.5	21.0	25.0	23.5	24.5	---	---	---	17.0	16.0	16.5
20	23.0	20.5	22.0	24.5	21.5	24.0	25.0	23.5	---	19.0	16.5	18.0
21	23.5	21.0	22.0	24.0	20.5	22.0	24.0	22.0	23.0	20.0	18.5	19.0
22	24.0	21.5	22.5	25.0	21.5	23.5	25.0	23.0	24.0	20.0	18.0	19.0
23	25.0	23.0	24.0	25.0	23.0	24.0	24.0	22.0	23.0	19.0	18.0	18.5
24	26.5	24.5	25.5	25.0	23.0	24.0	23.0	21.5	22.0	18.0	14.5	15.5
25	26.0	24.5	---	---	---	---	23.5	20.0	21.5	14.5	14.0	14.5
26	25.5	24.5	25.0	---	---	---	25.0	22.0	23.5	16.5	14.0	---
27	24.0	23.0	23.5	---	---	---	25.0	23.0	24.0	---	---	---
28	23.0	21.0	22.0	---	---	---	26.0	23.5	25.0	---	---	---
29	23.5	21.0	22.0	---	---	---	25.0	23.0	24.0	---	---	---
30	23.5	20.5	22.0	---	---	---	24.5	23.5	24.0	---	---	---
31	---	---	---	---	---	---	23.0	21.0	---	---	---	---
MONTH	26.5	15.0	20.5	---	---	---	---	---	---	23.0	13.5	---

01449360 POHOPOCO CREEK AT KRESGEVILLE, PA.

LOCATION.--Lat 40°53'51", long 75°50'10", Monroe County, temperature recorder at gaging station on right bank 20 ft (6 m) downstream from bridge on U.S. Route 209 at Kresgeville, 0.2 mi (0.3 km) downstream from Middle Creek, and 13 mi (21 km) northeast of Lehighton.

DRAINAGE AREA.--49.9 mi^2 (129 km^2).

PERIOD OF RECORD.--Water temperatures: October 1968 to September 1970, May 1971 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 20.5°C Aug. 2, 5, 26; minimum, freezing point Nov. 27, Feb. 14, 15.

Period of record:
Water temperatures: Maximum, 31.5°C July 25, 1970; minimum, freezing point Feb. 20, 21, 23, 1972, Jan. 14, 1974.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.5	11.0	11.5	13.0	10.5	12.0	2.0	1.5	1.5	4.0	3.0	3.5
2	11.0	9.5	10.0	13.0	11.0	12.5	3.0	2.0	2.5	4.0	2.5	3.0
3	9.5	8.5	9.0	12.5	11.0	12.0	4.0	3.0	3.5	2.5	1.5	2.0
4	9.5	7.5	8.5	13.0	11.0	12.0	3.0	2.0	2.0	4.0	2.5	3.5
5	11.0	8.5	9.5	12.5	12.0	12.5	2.5	1.5	2.0	4.0	3.0	4.0
6	12.5	9.5	11.0	11.5	9.5	11.0	2.5	2.0	2.5	3.0	1.5	2.0
7	12.0	10.5	11.0	11.0	9.5	10.0	4.0	1.5	2.5	3.5	2.0	3.0
8	10.5	9.0	10.0	9.5	7.5	8.5	7.0	4.5	6.5	4.0	2.0	2.5
9	---	---	---	9.5	7.0	8.0	7.0	4.5	6.0	4.0	4.0	4.0
10	---	---	---	8.0	6.0	7.0	4.5	3.5	4.0	5.0	3.5	4.0
11	---	---	---	7.5	5.5	6.5	4.5	3.5	4.0	7.5	5.0	6.5
12	---	---	---	9.0	7.0	8.0	5.5	4.5	5.0	7.0	5.5	6.0
13	---	---	---	9.0	7.0	8.5	6.0	5.0	5.5	5.0	4.0	4.5
14	---	---	---	7.5	6.0	7.0	6.0	5.5	5.5	3.5	2.0	2.5
15	---	---	---	7.5	5.0	6.0	5.5	5.0	5.0	2.0	1.0	2.0
16	---	---	---	5.5	4.0	4.5	5.0	4.5	5.0	2.5	1.5	2.0
17	---	---	---	5.5	3.5	4.5	5.5	5.0	5.0	2.5	1.5	2.0
18	---	---	---	6.0	3.5	5.0	5.0	4.0	4.5	2.0	1.0	1.5
19	7.5	5.5	6.5	7.0	4.0	5.0	4.0	3.5	3.5	4.0	2.0	3.0
20	6.0	4.5	5.5	7.5	7.0	7.0	4.5	3.5	4.0	3.5	1.5	2.5
21	6.5	4.0	5.0	7.5	5.0	6.5	5.0	4.0	4.5	1.5	0.5	0.5
22	7.5	4.0	6.0	5.0	3.0	4.0	5.0	4.0	4.5	2.5	1.0	2.0
23	8.5	5.5	7.0	3.5	2.0	3.0	4.5	3.0	3.5	4.0	2.5	3.0
24	9.0	6.5	7.5	5.5	2.5	4.0	5.5	4.5	5.0	3.5	2.0	2.5
25	7.5	6.5	7.0	6.0	4.5	5.5	5.0	4.5	5.0	4.0	2.5	3.5
26	9.5	7.5	8.0	4.0	1.0	2.0	4.0	3.5	4.0	3.5	2.5	3.0
27	9.5	7.0	8.0	2.0	0.0	1.0	4.0	2.5	3.5	3.5	2.5	3.0
28	9.0	6.5	8.0	3.0	1.5	2.5	4.5	3.5	4.0	---	---	---
29	9.5	7.5	8.5	3.0	2.0	2.0	4.5	2.5	3.5	---	---	---
30	11.0	9.0	10.0	2.0	0.5	1.5	5.0	4.0	4.5	---	---	---
31	13.0	10.5	11.5	---	---	---	4.0	2.5	3.0	---	---	---
MONTH	---	---	---	13.0	0.0	6.5	7.0	1.5	4.0	7.5	0.5	3.0

01449360 POHOPOCO CREEK AT KRESGEVILLE, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	5.5	4.5	5.0	9.5	4.5	7.0	---	---	---
2	---	---	---	4.5	3.0	4.0	9.0	6.0	8.0	11.5	8.5	10.5
3	---	---	---	4.0	2.5	3.0	8.0	5.5	7.0	13.0	8.0	11.0
4	2.0	1.0	1.5	4.0	2.0	3.0	5.5	4.0	4.5	12.0	9.5	10.5
5	2.5	0.5	1.5	5.0	2.5	3.5	5.5	2.5	4.0	12.5	9.0	10.5
6	4.0	2.5	3.5	6.0	3.0	4.5	5.0	3.5	4.0	11.0	9.5	10.0
7	5.0	3.5	4.0	6.5	4.0	5.5	6.0	3.0	4.5	13.5	9.5	11.5
8	3.5	1.5	2.0	6.5	3.5	5.5	7.0	4.0	5.5	15.0	9.5	12.0
9	2.5	2.0	2.0	3.5	1.0	2.5	8.5	4.0	6.0	14.0	10.0	12.5
10	2.0	0.5	1.0	3.5	2.0	3.0	8.5	4.5	6.5	15.0	10.0	12.5
11	2.0	1.0	1.5	5.0	3.5	4.5	8.5	7.0	7.5	14.5	10.0	12.5
12	2.0	0.5	1.0	5.0	4.5	4.5	10.5	7.0	8.0	14.0	11.0	12.5
13	2.0	0.5	1.0	7.5	5.0	6.0	12.0	7.5	9.5	15.5	12.5	13.5
14	2.0	0.0	1.0	6.0	2.5	3.5	10.5	7.5	9.0	16.5	12.0	14.0
15	2.5	0.0	1.5	6.0	2.5	4.0	11.0	9.0	10.0	16.0	12.0	14.0
16	4.0	2.5	3.0	5.5	2.5	4.0	10.0	7.5	9.0	16.0	13.5	14.5
17	4.0	4.0	4.0	6.0	4.5	6.0	10.5	6.5	8.5	15.5	12.0	14.0
18	4.5	3.5	4.0	7.5	4.0	6.0	10.5	5.5	8.0	14.0	13.0	13.5
19	5.0	4.0	4.5	7.5	6.5	7.0	11.5	6.5	9.0	17.0	13.0	15.0
20	4.5	3.5	4.0	7.0	6.0	7.0	11.0	9.5	10.0	17.5	13.5	15.5
21	5.0	2.5	4.0	7.5	5.0	6.0	11.5	9.5	10.5	16.0	14.5	15.5
22	5.5	2.5	4.0	7.5	5.5	6.5	12.5	8.5	10.5	17.5	14.0	15.5
23	5.5	4.0	5.0	9.0	6.5	7.5	11.5	7.5	9.5	18.0	14.5	16.5
24	5.5	4.5	5.0	7.5	6.0	7.0	10.5	7.0	9.0	17.5	15.0	16.5
25	6.0	5.0	5.5	9.0	7.0	8.0	---	---	---	16.5	13.5	15.0
26	6.0	4.0	5.0	7.5	5.0	6.5	---	---	---	14.5	13.0	13.5
27	6.0	4.0	5.0	5.5	2.5	4.0	---	---	---	16.5	14.0	15.5
28	5.5	3.5	4.5	6.0	2.5	4.5	---	---	---	17.5	14.0	16.0
29	---	---	---	6.5	5.0	5.5	---	---	---	16.5	13.0	15.5
30	---	---	---	7.5	6.0	6.5	---	---	---	14.0	14.0	14.5
31	---	---	---	7.0	4.0	5.5	---	---	---	16.5	14.0	15.5
MONTH	6.0	0.0	3.0	9.0	1.0	5.0	12.5	2.5	7.5	18.0	8.0	13.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.5	15.0	16.0	15.5	12.5	14.5	19.5	17.0	18.5	15.0	14.0	14.5
2	17.0	14.0	15.5	16.0	12.5	14.5	20.5	17.5	19.0	15.5	14.0	15.0
3	16.5	14.5	15.5	16.0	14.0	15.0	20.0	18.0	19.5	15.5	14.5	14.5
4	16.5	13.5	15.5	16.5	14.0	15.0	19.5	18.0	19.0	14.5	13.0	13.5
5	16.0	14.0	14.5	16.5	14.0	15.5	20.5	18.0	19.0	15.5	13.0	14.0
6	15.0	14.0	14.5	16.5	14.0	15.5	19.0	16.5	17.5	16.5	14.5	15.5
7	14.5	13.0	14.0	16.0	14.5	15.5	16.5	15.5	16.0	16.0	14.0	15.0
8	14.5	13.0	13.5	17.0	14.5	16.0	16.0	14.5	15.5	16.5	15.0	15.5
9	15.0	12.0	13.5	16.0	15.0	15.5	17.5	14.0	16.0	16.0	14.5	15.5
10	15.5	11.5	13.5	17.0	14.5	15.5	17.0	15.0	16.0	14.0	12.0	13.0
11	15.0	13.0	14.0	16.5	14.5	16.0	17.5	16.0	17.0	13.0	12.0	12.5
12	14.5	13.5	14.0	15.5	15.0	15.5	19.0	16.0	17.5	15.5	13.5	14.5
13	16.0	14.0	14.5	15.5	15.0	15.5	18.5	16.5	17.5	14.0	12.0	12.5
14	16.0	13.0	14.5	16.5	15.5	16.0	19.5	17.0	18.0	12.0	10.0	11.0
15	15.0	14.0	14.5	16.5	15.5	16.0	18.0	16.0	17.0	11.5	9.0	10.5
16	14.5	14.0	14.0	16.5	15.0	15.5	17.5	16.0	16.5	12.0	10.5	11.0
17	16.0	13.5	14.5	17.0	15.0	16.0	17.0	15.5	16.5	13.0	11.0	12.0
18	17.5	14.5	16.0	17.0	15.0	16.0	18.0	16.0	17.0	13.5	13.0	13.0
19	17.0	15.5	16.5	16.5	15.5	16.0	17.5	15.0	16.5	13.5	13.0	13.0
20	17.5	15.5	16.5	16.5	15.5	16.0	18.0	15.5	16.5	15.5	13.5	14.0
21	16.5	13.5	15.5	17.5	15.5	16.5	16.5	14.5	16.0	16.0	14.5	15.0
22	17.0	13.5	15.5	17.5	15.0	16.5	18.5	16.0	17.0	14.5	13.0	13.5
23	17.0	14.5	16.0	17.5	14.5	16.5	17.5	15.0	16.5	14.0	13.0	13.5
24	18.0	15.5	17.0	17.0	15.5	16.5	16.0	15.0	16.0	13.5	12.5	13.5
25	17.5	16.0	17.0	18.0	16.5	17.0	19.0	16.0	17.0	13.0	13.0	13.0
26	17.0	15.5	16.0	17.5	14.5	15.5	20.5	17.5	19.0	13.5	13.0	13.5
27	15.5	14.5	15.0	15.0	15.0	15.0	20.0	17.5	18.5	14.5	13.5	14.0
28	17.0	14.5	15.5	---	---	---	18.0	16.0	17.0	14.0	12.5	13.5
29	16.5	14.5	15.5	---	---	---	16.5	15.0	15.5	13.0	11.0	12.5
30	16.5	14.0	15.5	18.0	15.0	17.0	17.0	16.0	16.5	13.5	11.5	12.5
31	---	---	---	19.0	16.0	17.5	16.5	15.0	15.5	---	---	---
MONTH	18.0	11.5	15.0	19.0	12.5	16.0	20.5	14.0	17.0	16.5	9.0	13.5

01449800 POHOPOCO CREEK BELOW BELTZVILLE DAM NEAR PARRYVILLE, PA.

LOCATION.--Lat 40°50'44", long 75°38'46", Carbon County, temperature recorder at gaging station on right bank 0.1 mi (0.2 km) upstream from Sawmill Run, 0.4 mi (0.7 km) downstream from Beltzville Dam, 1.3 mi (2.1 km) upstream from Bull Run, and 2.3 mi (3.7 km) northeast of Parryville.

DRAINAGE AREA.--96.4 mi^2 (250 km^2).

PERIOD OF RECORD.--Water temperatures: October 1968 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 18.0°C July 7; minimum, 2.0°C on several days during January and February.

Period of record:
Water temperatures: Maximum, 26.5°C on several days during July, August 1970; minimum, freezing point Dec. 9, 1969.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.0	14.5	14.5	12.5	12.0	12.0	7.5	7.0	7.0	4.5	4.0	4.5
2	14.5	14.0	14.5	12.5	12.0	12.0	7.0	6.5	7.0	4.0	4.0	4.0
3	14.5	14.0	14.0	12.5	12.0	12.5	7.0	6.5	7.0	4.0	4.0	4.0
4	15.0	14.0	14.5	12.5	12.0	12.5	6.5	6.5	6.5	4.0	4.0	4.0
5	14.5	14.0	14.5	12.5	12.0	12.5	6.5	6.5	6.5	4.0	4.0	4.0
6	14.5	14.0	14.0	12.5	12.0	12.0	7.0	6.5	7.0	4.0	3.0	3.5
7	14.5	14.0	14.0	12.5	12.0	12.0	7.0	7.0	7.0	4.0	3.5	3.5
8	14.5	14.0	14.0	12.5	12.0	12.0	7.0	7.0	7.0	3.5	3.5	3.5
9	14.5	14.0	14.0	12.5	12.0	12.0	7.0	6.5	7.0	4.0	3.5	3.5
10	14.5	14.0	14.0	12.5	12.0	12.0	6.5	6.5	6.5	4.0	3.5	3.5
11	14.5	14.0	14.0	12.0	11.5	11.5	6.5	6.5	6.5	4.0	4.0	4.0
12	14.5	14.0	14.0	12.0	11.5	12.0	6.5	6.0	6.5	4.0	4.0	4.0
13	14.5	14.0	14.0	11.5	11.0	11.5	6.0	6.0	6.0	4.0	3.5	4.0
14	14.0	14.0	14.0	11.5	11.0	11.5	6.0	6.0	6.0	4.0	3.5	3.5
15	14.5	14.0	14.0	11.0	10.5	11.0	6.0	5.5	6.0	3.5	3.5	3.5
16	14.0	14.0	14.0	11.0	10.5	10.5	6.0	5.5	6.0	3.5	3.5	3.5
17	---	---	---	10.5	10.5	10.5	5.5	5.5	5.5	3.5	3.0	3.5
18	---	---	---	10.5	10.0	10.5	5.5	5.5	5.5	3.0	2.5	3.0
19	14.0	13.0	13.5	10.5	10.0	10.0	5.5	5.5	5.5	3.0	3.0	3.0
20	13.5	13.0	13.0	10.0	9.5	10.0	5.5	5.5	5.5	3.0	2.5	2.5
21	13.5	13.0	13.0	9.5	9.0	9.0	5.5	5.5	5.5	2.5	2.0	2.5
22	13.5	12.5	13.0	9.5	9.0	9.0	5.5	5.0	5.5	3.0	2.5	3.0
23	13.0	12.5	12.5	9.0	9.0	9.0	5.5	5.0	5.0	3.0	3.0	3.0
24	13.0	12.5	12.5	9.0	9.0	9.0	5.0	5.0	5.0	3.0	3.0	3.0
25	12.5	12.0	12.5	9.0	8.5	9.0	5.0	5.0	5.0	3.0	3.0	3.0
26	12.5	12.0	12.5	8.5	8.5	8.5	5.0	5.0	5.0	3.5	3.0	3.0
27	12.5	12.0	12.0	8.5	8.0	8.0	5.0	5.0	5.0	3.0	3.0	3.0
28	12.5	12.0	12.0	8.5	8.0	8.0	5.0	4.5	5.0	3.0	3.0	3.0
29	12.5	12.0	12.0	8.0	7.5	8.0	5.0	4.5	4.5	3.0	3.0	3.0
30	12.5	12.0	12.0	8.0	7.5	7.5	5.0	4.5	4.5	3.0	3.0	3.0
31	12.5	12.0	12.0	---	---	---	4.5	4.0	4.5	3.0	2.5	3.0
MONTH	15.0	12.0	13.5	12.5	7.5	10.5	7.5	4.0	6.0	4.5	2.0	3.5

01449800 POHOPOCO CREEK BELOW BELTZVILLE DAM NEAR PARRYVILLE, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.0	2.5	2.5	3.0	3.0	3.0	5.0	4.5	4.5	8.0	7.5	7.5
2	3.0	2.5	3.0	3.0	3.0	3.0	5.0	4.5	5.0	8.0	7.5	8.0
3	3.0	3.0	3.0	3.0	3.0	3.0	5.5	5.0	5.5	8.5	7.0	7.5
4	3.0	2.5	3.0	3.0	2.5	3.0	5.0	5.0	5.0	8.0	7.0	7.5
5	2.5	2.5	2.5	3.5	2.5	3.0	5.0	4.5	4.5	8.5	8.0	8.0
6	3.0	2.5	3.0	3.0	2.5	3.0	4.5	4.5	4.5	8.0	8.0	8.0
7	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	8.5	8.0	8.5
8	3.0	3.0	3.0	3.0	2.5	3.0	5.0	4.5	4.5	9.0	8.0	8.5
9	3.0	2.5	2.5	3.0	2.5	2.5	5.0	4.5	5.0	9.0	8.0	8.5
10	3.0	2.5	2.5	3.0	2.5	2.5	5.0	5.0	5.0	9.0	8.0	8.5
11	3.0	2.5	2.5	3.0	2.5	2.5	5.0	5.0	5.0	9.0	8.0	8.5
12	2.5	2.0	2.5	3.0	2.5	3.0	5.5	5.0	5.0	9.5	8.0	9.0
13	2.5	2.0	2.0	3.5	3.0	3.0	5.0	5.0	5.0	9.0	9.0	9.0
14	2.5	2.0	2.0	3.0	2.5	2.5	5.5	5.0	5.0	10.0	9.0	9.5
15	2.5	2.0	2.0	3.0	2.5	3.0	5.5	5.0	5.5	9.5	9.0	9.0
16	2.5	2.0	2.5	3.0	2.5	3.0	6.5	5.0	6.0	10.5	9.0	10.0
17	2.5	2.0	2.5	3.5	3.0	3.0	6.5	5.5	6.0	11.0	10.0	10.5
18	2.5	2.0	2.0	4.0	3.5	3.5	6.5	6.0	6.0	11.0	10.0	10.5
19	3.0	2.5	2.5	4.0	3.5	4.0	6.5	5.0	6.0	10.5	10.0	10.5
20	2.5	2.5	2.5	4.0	4.0	4.0	6.0	5.5	5.5	11.0	10.0	10.5
21	2.5	2.0	2.5	4.0	4.0	4.0	6.5	5.5	6.0	11.0	10.5	11.0
22	3.0	2.5	2.5	4.0	4.0	4.0	7.0	6.0	6.5	12.0	11.0	11.0
23	2.5	2.5	2.5	4.0	4.0	4.0	7.0	6.5	7.0	11.5	11.0	11.0
24	3.0	2.5	2.5	4.0	4.0	4.0	7.0	7.0	7.0	11.5	11.0	11.0
25	3.0	2.5	2.5	4.5	4.0	4.0	7.5	7.0	7.0	13.0	11.5	12.0
26	3.0	2.5	3.0	4.5	4.5	4.0	8.0	7.0	7.5	11.5	11.0	11.5
27	3.0	2.5	3.0	4.5	4.0	4.0	7.5	6.5	7.0	11.5	11.0	11.5
28	3.0	2.5	3.0	4.5	4.0	4.0	7.5	7.0	7.0	12.5	11.5	12.0
29	---	---	---	4.5	4.0	4.0	8.0	7.0	7.5	12.5	11.5	12.0
30	---	---	---	5.0	4.0	4.5	8.0	7.5	7.5	12.5	11.5	12.0
31	---	---	---	5.0	4.0	4.5	---	---	---	12.5	12.0	12.0
MONTH	3.0	2.0	2.5	5.0	2.5	3.5	8.0	4.5	6.0	13.0	7.0	10.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.5	12.0	12.0	16.5	14.0	15.5	16.5	16.0	16.5	16.0	15.5	15.5
2	13.0	12.0	12.5	16.0	15.5	16.0	16.5	16.0	16.5	16.0	15.5	16.0
3	13.0	11.5	12.5	16.5	15.0	16.0	16.5	16.0	16.0	16.5	15.5	16.0
4	12.5	12.0	12.5	17.5	15.0	16.5	16.5	16.0	16.0	16.5	15.5	16.0
5	13.0	12.5	12.5	17.0	16.5	17.0	17.0	16.0	16.0	16.5	15.5	16.0
6	13.0	12.5	12.5	17.5	17.0	17.5	16.5	16.0	16.0	16.5	15.5	16.0
7	12.5	11.5	12.0	18.0	15.0	16.0	17.0	16.5	17.0	16.5	15.5	16.0
8	13.0	12.0	12.5	15.0	14.5	14.5	17.0	16.5	16.5	16.5	15.5	16.0
9	13.5	12.5	13.0	15.0	14.5	14.5	17.0	16.0	16.5	16.5	14.5	15.5
10	13.5	12.0	13.0	15.0	14.5	14.5	16.5	16.0	16.0	---	---	---
11	13.0	12.0	12.5	15.0	14.5	14.5	16.5	16.0	16.0	---	---	---
12	13.0	12.5	12.5	15.5	14.5	15.0	16.5	16.0	16.5	---	---	---
13	13.5	13.0	13.0	15.0	14.5	15.0	16.5	16.0	16.5	---	---	---
14	13.5	13.0	13.5	15.0	14.5	15.0	16.0	14.5	15.5	---	---	---
15	14.0	13.5	13.5	15.0	14.5	15.0	16.0	14.5	15.0	---	---	---
16	14.0	13.5	13.5	15.5	14.0	14.5	15.0	15.0	15.0	---	---	---
17	14.0	13.5	13.5	14.5	14.5	14.5	16.0	14.5	15.0	---	---	---
18	14.0	13.5	13.5	14.5	14.5	14.5	16.0	15.0	15.0	---	---	---
19	14.0	13.5	13.5	---	---	---	16.0	15.0	15.0	---	---	---
20	14.5	13.5	14.0	---	---	---	16.0	15.0	15.5	---	---	---
21	14.5	13.5	14.0	---	---	---	16.0	15.0	15.0	---	---	---
22	14.0	13.5	13.5	16.0	15.0	15.5	16.0	15.0	15.5	---	---	---
23	14.5	13.5	14.0	16.0	15.0	15.5	16.0	15.0	15.5	---	---	---
24	14.5	13.5	14.0	16.0	15.0	15.5	15.5	15.0	15.5	---	---	---
25	14.5	13.5	14.0	16.0	15.5	16.0	16.5	15.5	15.5	---	---	---
26	14.5	13.5	14.0	17.0	16.0	16.5	16.5	15.0	15.5	---	---	---
27	14.0	13.5	14.0	16.5	15.5	16.0	16.5	15.5	15.5	---	---	---
28	16.5	13.5	14.5	16.0	16.0	16.0	16.5	15.0	15.5	---	---	---
29	14.5	14.0	14.5	16.5	16.0	16.0	16.0	15.0	15.5	---	---	---
30	16.0	14.0	15.0	16.5	16.0	16.0	16.0	15.5	15.5	---	---	---
31	---	---	---	16.5	16.0	16.0	16.0	15.5	15.5	---	---	---
MONTH	16.5	11.5	13.5	18.0	14.0	15.5	17.0	14.5	15.5	---	---	---

01451695 JORDAN CREEK NEAR PLEASANT CORNERS, PA.

LOCATION.--Lat 40°39'55", long 75°41'19", Lehigh County, at double-span concrete bridge 1.3 mi (2.1 km) south of Pleasant Corners.

DRAINAGE AREA.--14.3 mi^2 (37.0 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Sediment records: August 1972 to February 1974 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
14...	1030	1.0	4.5	--	32	2.9	--	--	.04	1.0	1.0
NOV.											
19...	0900	1.0	13	--	--	1.7	--	--	.04	.24	.28
DEC.											
17...	0930	1.0	59	--	22	4.0	--	--	.04	.90	.94
JAN.											
21...	1045	1.0	30	--	16	5.3	--	--	.06	.46	.52
FEB.											
18...	1300	1.0	38	--	26	3.5	--	--	.10	.69	.79
MAR.											
17...	1015	1.0	22	--	22	3.2	--	--	.01	.70	.71
APR.											
07...	1030	1.0	37	16	13	5.2	--	--	.01	.60	.61
MAY											
13...	1120	1.0	28	--	23	2.0	.01	2.0	.01	.25	.26
JUNE											
17...	1130	1.0	24	--	28	3.3	--	--	.06	.56	.62
JULY											
15...	1105	1.0	58	--	23	3.6	--	--	.07	.59	.66
AUG.											
19...	1115	1.0	13	--	31	2.5	.01	2.5	.00	.25	.25
SEP.											
16...	1115	1.0	3.5	--	33	2.0	--	--	.03	.53	.56

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
14...	--	.02	.01	180	6.5	12.5	10.0	700	110	580	3.0
NOV.											
19...	--	.01	.01	195	8.5	2.0	13.2	830	430	180	2.5
DEC.											
17...	--	.04	.03	190	6.7	4.0	11.6	2200	490	8200	3.4
JAN.											
21...	--	.03	.01	235	7.4	1.0	17.0	170	--	780	5.9
FEB.											
18...	--	.05	.02	210	7.5	4.0	13.4	900	320	2000	4.2
MAR.											
17...	--	.02	.00	140	7.5	4.5	13.6	550	300	80	2.1
APR.											
07...	--	.02	.01	143	6.8	3.0	12.8	370	93	100	2.5
MAY											
13...	2.3	.03	.01	140	7.5	15.0	9.8	2000	770	1200	6.1
JUNE											
17...	--	.04	.02	150	7.1	17.5	9.6	2400	590	1100	2.3
JULY											
15...	--	.07	.01	160	6.9	18.5	9.1	4200	1000	3800	5.8
AUG.											
19...	2.8	.03	.01	130	7.3	18.5	8.6	1100	330	460	2.6
SEP.											
16...	--	.02	.01	160	6.9	12.5	10.8	980	390	680	.8

01451695 JORDAN CREEK NEAR PLEASANT CORNERS, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE 17...	1130	6100	260	3.0	25	760	760	140	42000	12	.0

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE 17...	.0	0	1.3	5.0	1.9	.3	.0	.0	.0	.0	0

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE 17...	0	17	1	35	18	36	60	.2	19	0	85

01451700 SWITZER CREEK NEAR PLEASANT CORNERS, PA.

LOCATION.--Lat 40°39'34", long 75°41'33", Lehigh County, at wooden bridge on dirt road 1.7 mi (2.7 km) south of Pleasant Corners, and 0.2 mi (0.3 km) above mouth.

DRAINAGE AREA.--8.43 mi^2 (21.8 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Sediment records: August 1972 to February 1974 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
14...	1000	1.0	4.5	--	30	3.1	--	--	.05	1.0	1.1
NOV.											
19...	0845	1.0	4.0	--	--	3.1	--	--	.08	.24	.32
DEC.											
17...	0830	1.0	60	--	24	5.5	--	--	.06	.78	.84
JAN.											
21...	1010	1.0	40	--	26	6.8	--	--	.08	.51	.59
FEB.											
18...	1230	1.0	19	--	26	4.6	--	--	.15	.72	.87
MAR.											
17...	1000	1.0	2.0	--	26	4.1	--	--	.00	.47	.47
APR.											
07...	1000	1.0	33	21	17	5.4	--	--	.01	.49	.50
MAY											
13...	1040	1.0	14	--	28	2.7	.03	2.7	.03	.29	.32
JUNE											
17...	1100	1.0	14	--	33	3.4	--	--	.07	.55	.62
JULY											
15...	1030	1.0	60	--	30	3.8	--	--	.06	.66	.72
AUG.											
19...	1030	1.0	2.5	--	52	2.6	.02	2.6	.01	.36	.37
SEP.											
16...	1045	1.0	2.0	--	44	2.1	--	--	.04	.54	.58

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
14...	--	.02	.01	217	6.4	13.0	9.4	950	290	520	2.2
NOV.											
19...	--	.01	.01	215	8.2	2.0	14.0	1300	310	500	--
DEC.											
17...	--	.12	.04	195	7.3	4.0	13.0	2300	460	7000	--
JAN.											
21...	--	.06	.02	220	7.5	1.0	9.8	110	53	200	1.7
FEB.											
18...	--	.09	.03	230	7.3	4.5	13.2	E2600	1300	E4800	7.0
MAR.											
17...	--	.02	.00	162	7.1	4.5	13.0	480	200	190	3.7
APR.											
07...	--	.03	.01	152	7.0	3.0	14.8	300	E33	100	2.5
MAY											
13...	3.0	.03	.00	172	7.7	15.0	10.0	2300	1600	2300	4.5
JUNE											
17...	--	.04	.01	175	7.0	17.5	9.0	2400	1200	1600	2.0
JULY											
15...	--	.09	.01	180	6.7	19.0	8.6	8300	2700	3700	6.0
AUG.											
19...	3.0	.04	.01	175	7.4	19.0	9.2	7800	2700	680	4.4
SEP.											
16...	--	.03	.01	195	7.1	13.0	10.2	1400	400	940	2.4

01451700 SWITZER CREEK NEAR PLEASANT CORNERS, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE 17...	1100	20000	1100	2.0	104	2400	2400	210	77000	23	.2

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE 17...	.0	2	1.2	3.2	1.2	.3	.0	.0	.0	.0	0

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE 17...	0	10	0	44	12	22	38	.1	22	0	98

DELAWARE RIVER BASIN

01451738 LYON CREEK AT LYON VALLEY, PA.

LOCATION.--Lat 40°37'30", long 75°40'27", Lehigh County, at single span concrete bridge on country road 0.4 mi (0.6 km) southwest of Lyon Valley and 2.3 mi (3.7 km) from mouth.

DRAINAGE AREA.--7.52 mi^2 (19.5 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Sediment records: August 1972 to February 1974 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
14...	1220	1.0	8.5	--	34	4.3	--	--	.06	.98	1.0
NOV.											
19...	1130	1.0	9.0	--	--	3.5	--	--	.03	.43	.47
DEC.											
17...	1300	1.0	86	--	22	5.7	--	--	.06	1.1	1.2
JAN.											
21...	1410	1.0	22	--	16	5.9	--	--	.06	.73	.79
FEB.											
18...	1600	1.0	28	--	40	4.6	--	--	.17	.88	1.1
MAR.											
17...	1130	1.0	4.0	--	26	5.0	--	--	.00	.36	.36
APR.											
07...	1200	1.0	37	20	16	5.3	--	--	.00	.39	.39
MAY											
13...	1315	1.0	16	--	26	3.2	.01	3.2	.00	.22	.22
JUNE											
17...	1430	1.0	16	--	36	3.2	--	--	.06	.48	.54
JULY											
15...	1340	1.0	56	--	32	3.8	--	--	.06	.76	.82
AUG.											
19...	1510	1.0	2.5	--	41	2.9	.02	2.9	.05	.79	.84
SEP.											
16...	1400	1.0	4.0	--	41	2.4	--	--	.03	.29	.32

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
14...	--	.02	.01	216	6.6	12.5	11.0	2000	1500	1800	2.2
NOV.											
19...	--	.02	.01	240	8.5	7.5	13.0	2500	1800	400	4.4
DEC.											
17...	--	.10	.04	200	6.2	7.0	11.4	2300	550	4700	2.2
JAN.											
21...	--	.09	.03	210	7.5	.5	17.0	150	43	1700	5.1
FEB.											
18...	--	.16	.05	230	6.9	6.0	12.4	E3000	E1100	5000	2.8
MAR.											
17...	--	.01	.00	183	7.5	6.0	13.0	E25	<10	E20	5.7
APR.											
07...	--	.02	.01	164	7.0	7.0	11.4	7	E4	450	5.1
MAY											
13...	3.4	.02	.00	180	8.2	20.0	9.6	1700	1300	1800	10
JUNE											
17...	--	.04	.01	175	7.1	23.0	8.8	3500	1600	1100	4.6
JULY											
15...	--	.13	.01	180	6.8	19.5	8.7	7600	2700	--	11
AUG.											
19...	3.7	.06	.04	220	6.9	24.0	8.5	8000	--	1900	2.4
SEP.											
16...	--	.03	.02	235	7.1	14.0	10.6	6000	2900	640	2.0

DELAWARE RIVER BASIN

01451738 LYON CREEK AT LYON VALLEY, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE 17...	1430	14000	740	24	71	2200	2200	220	71000	22	.1

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE 17...	.0	1	1.1	1.6	1.1	.2	.0	.0	.0	.0	0

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE 17...	0	11	0	42	15	24	35	.1	23	0	93

01451770 MILL CREEK NEAR SCHNECKSVILLE, PA.

LOCATION.--Lat 40°40'35", long 75°38'25", Lehigh County, at concrete bridge on Pennsylvania Route 309, 2.0 mi (3.2 km) west of Schnecksville.

DRAINAGE AREA.--5.19 mi^2 (13.4 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Sediment records: August 1972 to January 1974 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
14...	1100	1.0	1.0	--	50	4.3	--	--	.06	.87	.93
NOV.											
19...	0945	1.0	1.0	--	--	3.1	--	--	.03	.27	.30
DEC.											
17...	1030	1.0	27	--	26	6.0	--	--	.05	.76	.81
JAN.											
21...	1200	1.0	5.0	--	20	5.6	--	--	.14	.48	.62
FEB.											
18...	1400	1.0	6.5	--	34	4.9	--	--	.10	.65	.75
MAR.											
17...	1030	1.0	25	--	29	4.7	--	--	.02	.53	.55
APR.											
07...	1100	1.0	50	22	18	6.0	--	--	.00	.56	.56
MAY											
13...	1145	1.0	3.0	--	31	2.9	.02	2.9	.01	.33	.34
JUNE											
17...	1230	1.0	3.4	--	33	3.6	--	--	.07	.70	.77
JULY											
15...	1130	1.0	20	--	33	4.3	--	--	.04	.58	.62
AUG.											
19...	1215	1.0	3.0	--	44	3.5	.01	3.5	.03	.43	.46
SEP.											
16...	1200	1.0	1.0	--	48	3.7	--	--	.62	.44	.46

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
14...	--	.15	.13	239	6.9	12.5	10.1	7400	1300	780	2.0
NOV.											
19...	--	.14	.13	265	7.8	3.0	12.7	550	120	180	5.5
DEC.											
17...	--	.07	.04	210	6.4	5.0	11.0	2400	150	4200	2.8
JAN.											
21...	--	.09	.06	240	6.2	.5	17.0	590	150	320	2.8
FEB.											
18...	--	.11	.05	260	6.6	5.0	12.2	25000	2200	2300	7.3
MAR.											
17...	--	.06	.05	187	7.5	4.5	13.6	500	170	84	1.3
APR.											
07...	--	.05	.02	172	7.0	3.5	12.2	6100	530	E68	3.6
MAY											
13...	3.2	.08	.06	195	7.6	16.5	10.0	1700	240	1000	9.0
JUNE											
17...	--	.52	.09	205	7.3	18.0	9.0	40000	2500	2500	5.2
JULY											
15...	--	.06	.02	205	6.8	19.0	9.2	11000	800	2500	19
AUG.											
19...	4.0	.13	.12	210	7.1	18.0	9.6	5800	1600	380	3.0
SEP.											
16...	--	.34	.10	240	7.1	12.5	10.6	1100	E90	560	2.2

01451770 MILL CREEK NEAR SCHNECKSVILLE, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE 17...	1230	14000	480	6.0	15	996	1000	160	46000	8.0	.0

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE 17...	.0	7	15	28	19	.5	.0	.0	.3	.0	6

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE 17...	0	10	0	32	11	19	30	.0	17	0	63

01451800 JORDAN CREEK NEAR SCHNECKSVILLE, PA.

LOCATION.--Lat 40°39'42", long 75°37'38", Lehigh County, on upstream side of wooden covered bridge at Trexler-Lehigh County Game Preserve, 1.0 mi (1.6 km) downstream from Mill Creek, and 1.1 mi (1.8 km) southwest of Schnecksville.

DRAINAGE AREA.--53.0 mi^2 (137 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Sediment records: August 1972 to April 1974 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
14...	1200	1.0	25	--	40	3.4	--	--	.04	.92	.96
NOV.											
19...	1030	1.0	269	--	--	2.7	--	--	.04	.34	.38
DEC.											
17...	1100	1.0	404	--	22	4.3	--	--	.06	.85	.91
JAN.											
21...	1330	1.0	164	--	20	4.7	--	--	.06	.47	.53
FEB.											
18...	1530	1.0	142	--	38	3.4	--	--	.14	.63	.77
MAR.											
17...	1100	1.0	68	--	27	3.6	--	--	.08	.57	.57
APR.											
07...	1130	1.0	175	20	16	5.3	--	--	.08	.32	.32
MAY											
13...	1250	1.0	112	--	31	2.3	.01	2.3	.01	.37	.38
JUNE											
17...	1400	1.0	102	--	31	3.2	--	--	.05	.48	.53
JULY											
15...	1245	1.0	347	--	38	3.6	--	--	.06	.60	.66
AUG.											
19...	1410	1.0	25	--	44	2.4	.02	2.4	.01	.30	.31
SEP.											
16...	1330	1.0	17	--	41	2.0	--	--	.02	.41	.43

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
14...	--	.03	.01	211	6.8	12.5	10.6	900	230	400	1.9
NOV.											
19...	--	.01	.01	220	8.2	3.5	13.2	250	130	110	7.3
DEC.											
17...	--	.11	.04	180	6.3	5.0	12.0	1300	370	4400	2.8
JAN.											
21...	--	.05	.02	260	7.5	.5	17.0	E67	E40	360	2.4
FEB.											
18...	--	.19	.03	230	7.4	9.0	13.4	4500	790	2300	2.2
MAR.											
17...	--	.01	.01	168	7.6	5.0	13.4	230	140	130	1.2
APR.											
07...	--	.03	.01	159	7.0	3.5	12.6	250	E13	E68	4.4
MAY											
13...	2.7	.03	.01	170	8.5	17.5	11.4	3500	940	1500	7.8
JUNE											
17...	--	.03	.01	190	7.5	22.0	9.4	1000	340	760	1.6
JULY											
15...	--	.10	.01	180	6.9	19.0	9.0	7200	2500	--	5.4
AUG.											
19...	2.7	.03	.01	200	9.1	24.0	11.0	340	137	156	1.8
SEP.											
16...	--	.03	.02	210	7.7	12.5	12.2	1400	680	3900	3.4

01451800 JORDAN CREEK NEAR SCHNECKSVILLE, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE											
17...	1400	21000	680	1.3	43	117	3000	3000	290	25	.2

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE											
17...	2.9	2	10	26	16	4.4	.0	.0	.0	.0	0

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE											
17...	0	17	2	55	17	45	59	.4	34	1	250

01454720 LEHIGH RIVER AT EASTON, PA.

LOCATION.--Lat 40°41'12", long 75°12'32", Northampton County, at Third Street Bridge, Easton, U.S. Highway 611.

DRAINAGE AREA.--1,360 mi^2 (3,530 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1961 to September 1975.
Water temperatures: October 1961 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 475 micromhos Sept. 18; minimum, 125 micromhos May 15.
Dissolved oxygen: Maximum, 14.2 mg/l Feb. 28, Mar. 1; minimum, 5.1 mg/l Sept. 9.
Water temperatures: Maximum, 28.0°C July 29; minimum, 1.0°C Jan. 22, Feb. 13.

Period of record:
Specific conductance: Maximum, 581 micromhos Aug. 19, 1963; minimum, 70 micromhos Nov. 14, 1970.
Dissolved oxygen (1966-75): Maximum, 15.0 mg/l Feb. 22, 23, 1971; minimum, 0.0 mg/l Aug. 4, 1966.
Water temperatures: Maximum, 30.5°C July 29, 1970; minimum, freezing point on many days during winter periods.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	203	199	199	352	340	349	293	271	280	350	264	301
2	210	202	208	359	349	353	294	263	277	319	268	282
3	220	210	219	359	343	350	298	270	277	303	268	277
4	233	220	227	349	330	340	277	253	262	316	272	295
5	259	235	249	354	330	337	277	248	261	309	276	290
6	260	255	258	369	349	357	272	255	265	310	275	289
7	257	250	254	369	350	359	309	272	282	394	289	323
8	278	253	266	370	355	362	292	173	245	352	308	334
9	277	270	273	371	351	360	234	157	183	310	224	278
10	280	270	277	360	345	353	256	187	215	220	183	195
11	289	280	283	353	338	342	212	184	202	189	179	181
12	307	289	295	348	329	337	196	174	185	180	168	172
13	320	300	311	350	272	326	208	178	190	191	160	171
14	312	291	302	271	235	262	224	205	213	190	175	185
15	311	292	305	235	220	227	233	223	228	190	180	184
16	320	283	297	249	220	233	256	229	---	192	181	186
17	282	273	278	269	247	257	239	203	218	200	189	193
18	285	268	278	280	258	263	215	206	210	266	190	206
19	265	258	260	281	259	271	223	210	216	270	210	237
20	258	249	253	276	254	267	229	222	224	250	220	227
21	259	250	253	289	260	275	251	227	235	250	224	234
22	280	260	270	279	256	270	251	228	234	251	234	245
23	347	280	313	265	250	255	248	228	232	294	248	259
24	357	346	349	263	250	255	256	233	246	279	250	262
25	365	350	357	267	252	257	263	243	252	279	253	265
26	362	350	356	279	256	269	258	233	244	275	223	251
27	361	340	350	297	263	276	240	234	247	234	220	227
28	340	325	331	305	272	285	248	240	252	237	219	224
29	346	328	334	298	273	283	259	245	252	240	220	225
30	341	333	338	286	273	279	259	243	250	249	219	228
31	356	344	349	---	---	---	300	243	259	230	212	219
MONTH	365	199	287	371	228	300	309	157	234	394	160	240

01454720 LEHIGH RIVER AT EASTON, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	220	211	215	151	137	143	246	216	222	311	248	278
2	223	210	217	152	145	149	223	215	220	313	288	303
3	223	213	216	158	149	151	232	199	214	298	253	286
4	259	223	229	198	156	175	204	178	186	269	248	259
5	289	232	263	230	200	210	189	181	186	248	187	210
6	330	278	311	250	230	243	194	187	190	199	197	198
7	324	276	301	250	220	234	214	199	206	203	176	190
8	288	260	272	260	230	245	223	213	218	202	170	181
9	289	252	262	270	220	247	241	216	221	206	179	197
10	279	247	253	260	230	250	248	223	234	216	176	192
11	280	253	270	260	240	250	248	222	238	192	173	184
12	310	269	289	260	250	256	268	242	253	194	168	180
13	304	279	293	270	250	262	269	243	255	212	141	173
14	311	299	302	309	252	272	268	243	255	210	130	154
15	310	300	306	349	298	327	273	248	262	131	125	127
16	308	297	302	310	268	293	308	263	275	145	131	137
17	319	290	305	283	265	272	311	257	280	161	146	151
18	308	295	302	279	269	275	308	266	281	167	163	165
19	297	276	288	300	270	282	283	265	277	178	167	172
20	284	260	272	300	165	205	273	261	266	197	180	189
21	279	262	265	180	160	170	277	264	267	206	189	199
22	277	261	268	180	170	174	313	268	290	220	195	208
23	269	247	257	175	170	170	315	272	289	230	200	219
24	298	198	231	190	170	172	279	263	273	240	220	230
25	190	160	168	190	160	165	272	255	264	220	210	216
26	164	145	153	165	159	162	273	243	255	220	205	217
27	150	146	148	169	160	163	256	243	250	225	220	222
28	149	130	139	209	170	188	267	241	249	245	225	235
29	---	---	---	228	208	217	306	236	256	269	245	260
30	---	---	---	232	220	224	266	246	254	280	255	272
31	---	---	---	219	210	212	---	---	---	279	260	273
MONTH	330	130	253	349	137	218	315	178	246	313	125	209

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	275	260	268	210	190	199	260	250	255	320	300	312
2	260	259	259	215	205	213	275	260	267	305	300	304
3	260	259	273	231	215	224	275	270	271	325	300	312
4	300	279	290	240	225	234	275	270	---	340	320	327
5	310	280	302	250	235	243	---	---	---	350	335	342
6	290	210	251	265	250	258	---	---	---	360	344	352
7	220	179	196	280	265	270	---	---	---	365	347	357
8	179	170	174	300	270	286	---	---	---	359	340	349
9	215	179	190	320	300	309	---	---	---	365	345	351
10	230	219	225	314	280	305	---	---	---	380	360	372
11	240	229	236	287	279	281	---	---	---	390	370	380
12	240	230	239	311	287	301	---	---	---	390	345	376
13	240	210	223	309	263	295	---	---	---	370	315	329
14	215	210	212	258	189	219	---	---	---	350	325	337
15	210	210	210	183	163	171	---	---	---	361	350	356
16	230	215	219	189	169	178	---	---	---	398	365	384
17	249	210	236	189	162	177	---	---	---	446	349	429
18	260	250	256	194	176	185	---	---	---	475	448	463
19	275	260	269	200	194	195	---	---	---	470	400	---
20	290	277	284	209	195	200	---	---	---	---	---	---
21	288	270	281	249	200	208	365	353	---	---	---	---
22	270	260	264	221	202	210	370	360	365	---	---	---
23	280	250	269	230	223	227	370	350	357	---	---	---
24	310	282	298	242	232	236	365	350	357	---	---	---
25	320	304	311	250	200	---	350	335	339	190	183	---
26	335	315	323	---	---	---	345	330	337	188	144	163
27	339	309	323	---	---	---	355	340	348	151	130	142
28	309	200	284	---	---	---	355	330	345	173	141	155
29	200	180	187	---	---	---	350	335	344	183	168	174
30	201	188	195	240	235	---	350	339	345	195	183	191
31	---	---	---	250	240	240	340	320	329	---	---	---
MONTH	339	170	252	320	162	235	---	---	---	475	130	---

01454720 LEHIGH RIVER AT EASTON, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.8	8.4	8.6	9.3	7.0	8.0	12.3	12.0	12.2	---	---	---
2	9.6	8.7	9.1	8.7	6.5	7.5	13.6	11.9	12.4	---	---	---
3	10.1	9.6	9.8	7.5	6.5	6.9	12.2	11.9	12.0	---	---	---
4	10.5	10.1	10.3	8.1	6.3	7.0	12.7	12.1	12.4	---	---	---
5	10.1	9.4	9.9	6.7	5.8	6.5	12.8	12.2	12.7	---	---	---
6	9.7	8.8	9.4	9.2	5.9	7.6	12.7	12.1	12.5	---	---	---
7	9.2	8.2	8.8	9.5	7.6	8.4	12.3	11.6	12.1	---	---	---
8	8.9	7.8	8.4	10.2	8.1	8.9	11.6	10.5	---	---	---	---
9	9.0	7.8	8.3	10.9	8.4	9.5	---	---	---	---	---	---
10	9.7	7.9	8.8	11.5	9.1	10.0	---	---	---	---	---	---
11	9.7	8.4	8.8	12.0	9.6	10.6	---	---	---	---	---	---
12	9.4	7.8	8.6	10.7	9.2	10.0	---	---	---	---	---	---
13	8.2	7.5	7.8	11.4	9.2	9.8	---	---	---	---	---	---
14	8.1	7.4	7.7	11.7	7.9	10.3	---	---	---	---	---	---
15	8.1	7.0	7.6	11.0	10.6	10.8	---	---	---	---	---	---
16	7.8	6.8	7.3	11.5	11.0	11.2	---	---	---	---	---	---
17	8.6	7.9	8.4	11.5	11.2	11.3	---	---	---	---	---	---
18	8.9	8.5	8.7	11.8	11.2	11.5	---	---	---	---	---	---
19	9.9	9.0	9.5	11.4	10.9	11.2	---	---	---	---	---	---
20	10.4	9.5	10.1	11.0	10.1	10.6	---	---	---	---	---	---
21	11.1	10.3	10.7	10.3	10.1	10.2	---	---	---	---	---	---
22	10.8	10.0	10.5	11.1	10.3	10.7	---	---	---	---	---	---
23	10.1	9.4	9.9	12.0	11.2	11.6	---	---	---	13.7	13.1	---
24	9.9	8.8	9.3	12.0	11.5	11.8	---	---	---	13.8	12.5	13.1
25	9.1	8.4	8.8	11.5	11.1	11.4	---	---	---	13.5	12.9	13.1
26	9.5	8.4	8.8	11.7	11.1	11.4	---	---	---	13.0	12.8	12.9
27	9.7	8.3	8.8	12.3	11.6	12.0	---	---	---	13.7	12.8	13.3
28	9.9	8.4	8.9	12.3	11.8	12.0	---	---	---	13.8	12.9	13.3
29	9.1	8.1	8.5	12.5	11.8	12.2	---	---	---	13.8	12.0	12.6
30	10.0	7.5	8.6	12.7	12.1	12.4	---	---	---	12.5	11.8	12.1
31	9.3	7.7	8.5	---	---	---	---	---	---	13.0	12.0	12.4
MONTH	11.1	6.8	8.9	12.7	5.8	10.1	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.2	12.4	12.8	14.2	13.0	13.5	---	---		---	---	---
2	13.3	12.5	12.8	14.0	11.9	13.0	---	---		---	---	---
3	13.3	12.5	13.0	12.2	11.6	---	---	---		---	---	---
4	13.8	12.9	13.3	---	---	---	---	---		---	---	---
5	13.3	13.1	13.2	11.9	11.6	---	---	---		---	---	---
6	13.8	12.7	13.2	11.7	10.8	11.3	---	---		---	---	---
7	13.1	12.3	12.6	10.8	10.8	---	---	---		---	---	---
8	13.0	12.4	12.7	---	---	---	---	---		10.0	9.4	---
9	13.3	12.7	13.0	---	---	---	---	---		9.3	8.6	8.9
10	13.7	13.1	13.4	---	---	---	---	---		8.6	8.1	8.4
11	13.7	13.0	13.2	---	---	---	---	---		8.4	7.9	8.2
12	13.5	13.0	13.3	---	---	---	---	---		8.3	7.6	7.9
13	13.8	13.3	13.5	---	---	---	---	---		9.0	7.8	8.3
14	13.7	13.2	13.4	---	---	---	---	---		9.3	8.7	9.0
15	13.6	12.9	13.3	---	---	---	---	---		9.1	8.9	9.0
16	13.4	12.5	13.0	---	---	---	---	---		9.0	8.7	8.9
17	13.1	12.1	12.6	---	---	---	---	---		9.1	8.8	9.0
18	12.8	12.4	12.5	---	---	---	---	---		9.2	8.8	9.0
19	12.9	12.2	12.4	---	---	---	---	---		9.5	9.1	9.3
20	12.9	12.4	12.6	---	---	---	---	---		9.2	8.5	8.7
21	13.0	12.4	12.7	---	---	---	---	---		8.5	7.9	8.1
22	12.9	12.4	12.6	---	---	---	---	---		8.1	7.7	7.9
23	12.4	11.9	12.2	---	---	---	11.6	9.5		8.1	6.9	7.3
24	12.5	11.8	12.1	---	---	---	9.6	9.1		7.1	6.8	7.0
25	12.6	12.3	12.5	---	---	---	---	---		7.8	7.0	7.3
26	12.5	11.4	12.0	---	---	---	---	---		8.6	7.8	8.3
27	12.0	11.2	11.5	---	---	---	---	---		8.5	8.2	8.4
28	14.2	12.0	13.3	---	---	---	---	---		8.2	7.2	7.6
29	---	---	---	---	---	---	---	---		7.2	6.7	6.9
30	---	---	---	---	---	---	---	---		6.9	6.3	6.5
31	---	---	---	---	---	---	---	---		6.9	6.5	6.6
MONTH	14.2	11.2	12.8	---	---	---	---	---		---	---	---

DELAWARE RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.2	6.7	7.0	8.7	8.5	8.5	---	---	---	7.8	6.8	7.3
2	7.5	7.2	7.4	8.6	8.3	8.5	---	---	---	7.8	7.0	7.4
3	7.4	7.0	7.1	8.3	8.0	8.1	---	---	---	7.6	6.5	7.0
4	7.4	7.0	7.2	8.1	7.7	7.9	---	---	---	7.4	6.1	6.8
5	7.3	7.0	7.1	8.0	7.4	7.9	---	---	---	7.5	5.8	6.6
6	9.1	7.4	8.4	7.4	7.1	7.3	---	---	---	7.1	5.6	6.4
7	9.4	9.0	9.3	7.2	6.7	7.0	---	---	---	7.4	5.6	6.3
8	9.5	9.3	9.4	6.8	6.3	6.5	---	---	---	7.3	5.7	6.4
9	9.4	8.7	9.1	6.4	5.9	6.2	---	---	---	7.1	5.1	6.1
10	8.8	8.1	8.3	6.4	6.0	6.3	---	---	---	7.0	5.2	6.0
11	8.1	7.7	7.8	6.3	6.0	6.2	---	---	---	6.2	5.2	5.7
12	7.8	7.1	7.6	6.0	5.8	5.9	---	---	---	6.2	5.4	5.6
13	8.2	7.8	8.0	7.0	5.9	6.4	---	---	---	6.5	5.8	6.3
14	7.8	7.3	7.5	7.9	7.0	7.8	---	---	---	7.2	6.4	6.8
15	7.4	7.2	7.3	8.9	7.9	8.3	---	---	---	7.4	6.6	7.0
16	7.4	6.9	7.3	8.3	8.1	8.2	---	---	---	7.2	6.5	6.8
17	7.1	5.8	7.0	8.4	8.0	8.2	---	---	---	7.0	6.0	6.4
18	7.0	6.5	---	8.1	7.7	7.9	---	---	---	7.6	5.5	6.5
19	7.9	7.6	---	7.7	7.7	7.7	---	---	---	7.4	6.3	6.8
20	7.9	7.3	7.6	7.7	7.6	7.8	---	---	---	7.3	6.5	6.8
21	8.1	7.6	7.9	7.7	7.0	7.5	7.9	6.9	---	7.0	6.5	6.8
22	8.5	8.2	8.3	7.5	7.3	7.4	7.5	6.3	6.9	7.0	6.5	---
23	8.3	7.6	8.1	7.3	7.2	7.3	7.5	6.2	6.8	---	---	---
24	7.8	6.5	7.3	7.1	6.8	6.9	7.2	6.0	6.9	---	---	---
25	6.7	5.9	6.5	8.4	6.7	7.4	7.5	6.8	7.1	9.5	9.3	---
26	6.5	5.8	6.3	9.4	7.7	8.7	7.0	6.1	6.8	9.5	9.2	9.4
27	7.0	6.2	6.7	9.6	7.5	8.7	7.0	5.8	6.4	9.6	9.3	9.5
28	8.8	7.0	7.5	8.6	7.0	7.9	8.0	5.4	6.4	9.5	9.2	9.4
29	9.2	8.7	9.0	8.5	6.8	7.8	7.3	5.3	6.2	9.3	8.9	9.1
30	9.2	8.6	9.0	8.8	7.6	---	6.5	5.6	6.0	8.9	8.7	8.8
31	---	---	---	---	---	---	7.1	5.3	6.4	---	---	---
MONTH	9.5	5.9	7.8	9.6	5.8	7.5	---	---	---	9.6	5.1	7.1

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.0	15.0	15.5	15.5	14.0	14.5	4.5	4.0	4.5	5.5	5.0	5.5
2	15.0	14.0	14.5	16.0	14.5	15.0	5.0	4.5	4.5	5.5	5.0	5.0
3	14.0	12.0	13.0	15.5	15.0	15.5	5.0	5.0	5.0	5.0	4.5	4.5
4	12.0	11.5	11.5	16.0	15.0	15.5	4.5	4.0	4.5	5.0	4.5	5.0
5	13.0	11.5	12.5	16.0	15.0	15.5	4.5	4.0	4.0	5.5	5.0	5.0
6	14.0	13.0	13.5	16.0	14.5	15.5	4.5	4.0	4.0	5.5	5.0	5.5
7	15.0	14.0	14.5	15.0	14.0	14.5	4.5	4.0	4.0	6.0	5.0	5.5
8	14.5	14.0	14.0	14.0	13.0	13.5	8.0	5.0	6.5	5.5	5.0	5.0
9	14.5	14.0	14.0	13.5	12.0	13.0	8.0	6.5	7.5	6.0	5.0	5.5
10	14.5	14.0	14.0	13.0	11.5	12.0	6.5	5.0	6.0	5.5	5.0	5.0
11	15.0	14.0	14.5	12.0	11.0	11.5	5.5	5.0	5.0	7.0	5.5	6.0
12	15.5	14.5	15.0	12.0	11.0	11.5	5.5	5.0	5.0	8.0	6.5	7.0
13	15.5	15.0	15.5	12.0	10.5	11.5	6.0	5.5	5.5	6.5	5.0	5.5
14	15.0	15.0	15.0	10.0	9.5	10.0	6.5	6.0	6.0	4.5	3.5	4.0
15	16.0	15.0	15.5	9.5	8.5	9.0	6.5	6.0	6.0	3.0	1.5	2.0
16	15.5	14.0	15.0	8.5	8.0	8.5	6.5	6.0	6.0	2.0	1.5	1.5
17	14.0	13.5	14.0	8.0	7.0	8.0	6.0	5.5	6.0	2.0	1.5	2.0
18	14.0	12.0	13.5	8.0	7.0	7.5	6.0	5.5	5.5	2.0	1.5	1.5
19	12.0	11.0	11.5	8.5	7.0	7.5	5.0	5.0	5.0	3.0	1.5	2.0
20	11.0	9.5	10.5	8.5	8.0	8.5	5.0	4.5	5.0	3.0	3.0	3.0
21	9.5	9.0	9.0	8.5	8.0	8.5	5.5	5.0	5.0	3.0	1.5	1.5
22	10.0	9.0	9.5	8.0	6.5	7.0	5.5	5.5	5.5	2.0	1.0	1.5
23	10.5	9.0	9.5	6.5	6.0	6.0	5.5	5.5	5.5	3.5	2.0	2.5
24	11.5	10.0	10.5	6.5	6.0	6.0	6.0	5.5	5.5	4.0	3.5	3.5
25	11.5	10.5	11.0	6.5	6.0	6.5	6.0	6.0	6.0	4.5	4.0	4.0
26	11.5	11.0	11.0	6.0	5.0	5.5	6.0	5.5	5.5	4.5	4.0	4.0
27	12.0	11.0	11.5	5.5	4.5	5.0	5.5	5.0	5.0	4.0	3.5	4.0
28	12.0	11.0	11.5	5.0	4.5	4.5	5.5	5.0	5.0	4.0	4.0	4.0
29	13.5	11.5	12.5	4.5	4.5	4.5	5.5	5.0	5.0	4.5	4.0	4.5
30	14.0	12.0	13.5	4.5	4.0	4.5	6.0	5.5	5.5	5.0	4.5	4.5
31	14.5	13.5	14.0	---	---	---	5.5	5.5	5.5	4.5	4.0	4.5
MONTH	16.0	9.0	13.0	16.0	4.0	10.0	8.0	4.0	5.5	8.0	1.0	4.0

DELAWARE RIVER BASIN

01454720 LEHIGH RIVER AT EASTON, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.0	4.0	4.0	5.0	4.0	4.5	8.0	6.0	7.0	14.5	14.0	14.5
2	4.0	3.5	4.0	4.5	4.0	4.0	9.0	8.0	8.5	14.5	13.5	14.0
3	4.0	3.5	4.0	4.0	3.0	3.5	9.5	7.0	9.0	15.0	14.0	14.5
4	3.5	3.0	3.0	3.5	2.0	3.0	7.0	4.0	5.5	15.0	14.0	14.5
5	3.0	2.0	2.0	4.5	3.0	4.0	4.5	3.5	4.0	13.0	12.0	12.0
6	4.0	2.0	3.0	5.0	4.5	4.5	4.5	4.0	4.5	12.0	11.5	12.0
7	5.0	4.0	4.5	6.0	5.0	5.5	5.5	4.0	5.0	12.0	10.5	11.5
8	4.5	3.5	4.0	6.5	5.5	6.0	6.5	5.5	6.0	13.5	11.0	12.0
9	4.0	3.0	3.5	5.5	4.5	5.0	9.0	6.5	8.0	14.0	13.0	13.5
10	3.0	2.0	2.5	4.5	3.5	4.0	10.0	8.5	9.0	15.0	14.5	14.5
11	3.0	2.0	3.0	5.0	4.0	4.5	10.0	9.0	9.5	16.0	15.0	15.5
12	3.0	1.5	2.0	5.5	5.0	5.5	10.5	9.5	10.0	16.5	16.0	16.5
13	2.0	1.0	1.5	6.5	5.5	6.0	10.5	9.5	10.0	18.0	17.0	17.5
14	3.0	2.0	2.5	6.5	5.0	6.0	10.0	9.0	10.0	18.0	16.5	17.5
15	3.5	3.0	3.0	5.5	5.0	5.0	10.5	10.0	10.0	18.5	16.5	17.5
16	4.0	3.5	3.5	5.5	5.0	5.0	11.5	10.0	11.0	18.5	17.0	18.0
17	4.5	4.0	4.5	6.5	5.5	6.0	13.0	11.0	12.0	19.0	17.0	18.0
18	5.5	5.0	5.0	8.5	6.5	7.5	14.0	13.0	13.5	18.5	18.0	18.0
19	6.0	5.5	5.5	9.0	8.0	8.5	14.5	14.0	14.0	19.0	18.0	18.5
20	5.5	5.0	5.5	9.0	6.5	7.5	13.5	13.0	13.0	21.0	19.0	20.0
21	5.5	5.0	5.5	6.5	5.5	6.0	13.0	12.0	12.5	21.5	20.5	21.0
22	6.0	5.0	5.5	9.5	9.0	9.0	13.5	12.0	12.5	21.5	20.5	21.0
23	6.5	6.0	6.0	8.0	6.0	6.5	14.0	13.0	13.5	22.0	21.0	21.5
24	6.5	6.5	6.5	7.0	6.5	7.0	15.0	14.0	14.5	23.5	21.5	22.5
25	6.0	6.0	6.0	8.0	6.0	6.5	15.5	14.5	15.0	24.0	20.5	22.0
26	6.0	5.0	5.5	8.0	6.5	7.0	15.0	14.5	15.0	20.5	19.0	19.5
27	5.0	4.5	5.0	6.0	5.0	5.5	15.0	14.0	14.5	20.0	19.0	19.5
28	4.5	4.0	4.5	5.5	4.5	5.0	14.5	14.0	14.5	21.0	20.0	20.5
29	---	---	---	6.0	5.5	5.5	14.5	13.5	14.0	22.0	21.0	21.5
30	---	---	---	7.0	6.0	6.5	14.5	13.5	14.0	22.0	21.0	21.5
31	---	---	---	6.5	6.0	6.0	---	---	---	21.5	20.5	21.0
MONTH	6.5	1.0	4.0	9.5	2.0	5.5	15.5	3.5	10.5	24.0	10.5	17.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.5	21.0	21.5	21.0	19.5	20.0	24.5	23.0	23.5	20.5	19.5	20.5
2	21.5	21.0	21.5	20.0	18.5	19.5	25.5	24.0	24.5	20.5	20.0	20.0
3	22.0	21.5	21.5	20.0	19.5	20.0	25.5	24.5	25.0	20.0	19.5	19.5
4	22.0	21.0	21.5	20.0	19.5	19.5	25.0	25.0	---	20.5	19.5	20.0
5	22.0	19.5	21.0	20.0	19.0	19.5	---	---	---	21.0	19.5	20.0
6	19.5	17.0	18.5	21.0	20.0	20.5	---	---	---	21.5	20.0	21.0
7	17.0	16.5	16.5	21.0	20.5	20.5	---	---	---	21.5	20.0	20.5
8	16.5	16.0	16.0	21.5	21.0	21.0	---	---	---	22.0	20.5	21.0
9	16.5	15.5	16.0	21.5	21.0	21.0	---	---	---	22.0	20.5	21.0
10	19.5	16.5	18.0	21.0	20.5	21.0	---	---	---	22.0	20.5	21.0
11	19.5	14.5	19.5	21.0	20.5	21.0	---	---	---	21.0	20.5	20.5
12	19.5	18.5	18.5	21.0	20.5	21.0	---	---	---	21.0	20.5	20.5
13	19.0	18.0	19.5	21.0	20.0	20.5	---	---	---	20.5	19.5	20.0
14	21.0	19.0	20.0	19.5	19.0	19.0	---	---	---	19.5	18.5	19.0
15	21.0	20.0	20.5	19.0	18.5	18.5	---	---	---	19.5	18.0	18.5
16	20.5	20.0	20.0	19.5	18.5	19.0	---	---	---	19.0	18.0	18.5
17	21.0	20.0	20.5	19.0	18.5	19.0	---	---	---	19.0	18.0	18.5
18	22.0	21.0	21.5	20.0	19.0	19.5	---	---	---	19.0	18.5	19.0
19	24.0	23.0	23.5	20.0	19.5	19.5	---	---	---	19.0	18.5	18.5
20	24.5	24.0	24.0	20.0	19.5	20.0	---	---	---	19.5	18.5	19.0
21	24.0	23.5	23.5	20.5	20.0	20.0	23.5	22.0	---	19.5	19.0	19.5
22	23.5	23.0	23.0	21.0	20.0	20.5	23.5	22.0	22.5	19.5	19.0	19.0
23	24.0	23.0	23.5	21.5	20.0	20.5	23.0	22.0	22.5	19.5	17.0	18.5
24	25.0	24.0	24.5	22.0	20.5	21.5	21.5	21.5	21.5	18.0	15.5	17.0
25	25.0	24.5	25.0	24.5	20.5	22.0	23.5	21.0	22.0	15.5	15.0	15.0
26	24.5	23.5	24.0	23.5	17.0	20.0	24.0	22.0	23.5	16.0	15.0	15.5
27	23.0	22.0	22.5	24.0	16.5	20.0	25.0	23.5	24.5	16.0	15.0	15.5
28	21.5	20.5	21.0	26.5	20.0	23.0	25.0	24.0	24.5	16.0	15.0	15.5
29	20.5	20.0	20.0	26.0	21.0	23.5	24.5	23.0	24.0	16.0	14.5	15.0
30	21.0	20.0	20.5	24.5	20.0	21.5	23.5	22.0	23.0	16.0	15.0	15.5
31	---	---	---	23.5	21.5	22.5	22.0	20.0	21.0	---	---	---
MONTH	25.0	15.5	21.0	26.0	16.5	20.5	---	---	---	22.0	14.5	19.0

01463500 DELAWARE RIVER AT TRENTON, N.J. (MORRISVILLE, PA.)
(National stream-quality accounting network, pesticide, and radiochemical station)

LOCATION.--Lat 40°13'18", long 74°46'42", Mercer County, at gaging station. Water-quality recorder located at raw-water intake of the Trenton Water Department about 600 ft (183 m) upstream from bridge on Calhoun Street in Trenton.

DRAINAGE AREA.--6,780 mi^2 (17,560 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1944 to September 1975.
Water temperatures: October 1944 to September 1975.
Sediment records: September 1949 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 247 micromhos Aug. 5; minimum, 86 micromhos Apr. 7.
Dissolved oxygen: Maximum, 15.5 mg/l May 3; minimum, 6.4 mg/l July 12.
pH: Maximum, 9.9 Nov. 1; minimum, 6.1 Nov. 5.
Water temperatures: Maximum, 30.0°C Aug. 3; minimum, 0.5°C Jan. 18, 21.
Sediment concentrations: Maximum daily, 520 mg/l July 21; minimum daily, 1 mg/l many days during February, April and May.
Sediment discharges: Maximum daily, 57,700 tons (52,345 t) Dec. 9; minimum daily, 23 tons (21 t) Sept. 10.

Period of record:
Specific conductance (1963-75): Maximum, 301 Aug. 24, 1967; minimum, 65 Mar. 12, 1964.
Dissolved oxygen (1962-75): Maximum, 17.3 mg/l July 9, 1971; minimum, 4.1 mg/l Sept. 12, 1971.
pH (1968-75): Maximum, 10.2 July 5, 6, 1971, June 14, 15, 1974; minimum, 5.3 June 22, 1972.
Water temperatures: Maximum, 34.0°C June 18, 1957; minimum, freezing point on many days during winter periods.
Sediment concentrations: Maximum daily, 1,720 mg/l Nov. 26, 1950; minimum daily, 0 mg/l Oct. 21, 1952.
Sediment discharges: Maximum daily, 1,087,000 tons (986,000 t) Aug. 20, 1955; minimum daily, 0 tons (0 t) Oct. 21, 1952.

REMARKS.--Operated as part of the USGS-EPA surveillance network. Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1779-X.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)
OCT.										
22...	1100	6710	3.5	16	6.0	6.5	2.0	46	--	38
NOV.										
11...	1200	5330	1.2	17	6.4	7.5	1.8	51	0	42
DEC.										
23...	1100	13700	4.6	14	4.5	6.2	1.0	34	0	28
JAN.										
15...	1410	28100	3.6	7.0	2.1	5.0	.8	21	0	17
FEB.										
19...	1025	14300	5.1	17	5.0	7.9	1.6	45	0	37
MAR.										
18...	0915	11800	4.3	15	4.8	7.1	1.3	41	--	34
APR.										
11...	0850	18800	3.2	13	2.4	4.7	1.0	36	--	30
MAY										
28...	1030	10700	3.2	13	4.2	5.1	1.8	40	--	33
JUNE										
19...	0930	14200	4.1	12	4.1	5.2	1.3	33	0	27
JULY										
22...	1315	15900	--	13	6.1	5.1	1.9	54	0	44
AUG.										
15...	0900	5460	3.6	22	18	7.2	1.7	68	0	56
SEP.										
17...	1115	4580	3.5	21	8.5	6.9	1.7	69	0	57

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
OCT.										
22...	24	9.9	.1	.77	.03	.13	.18	.31	1.1	.12
NOV.										
11...	24	9.3	.2	.82	.05	.08	.28	.36	1.2	.10
DEC.										
23...	18	6.3	.1	.78	.00	.17	.25	.42	1.2	.06
JAN.										
15...	14	5.9	.1	.57	.01	.13	.25	.38	.96	.05
FEB.										
19...	23	12	.2	.95	.02	.33	.20	.53	1.5	.11
MAR.										
18...	43	11	.1	.86	.03	.20	.00	.20	1.1	.05
APR.										
11...	17	10	.3	.72	.01	.08	.12	.20	.93	.05
MAY										
28...	19	7.5	.1	.79	.04	.07	.34	.41	1.2	.08
JUNE										
19...	19	9.4	.2	.67	.02	.00	.52	.52	1.2	.09
JULY										
22...	20	7.0	--	.94	.04	.03	.71	.74	1.7	.14
AUG.										
15...	29	9.9	.2	1.1	.02	.28	.07	.35	1.5	.09
SEP.										
17...	23	7.9	.0	1.1	.04	.01	.73	.74	1.8	.08

DATE	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)
OCT.										
22...	.06	98	91	65	27	162	8.4	9.0	--	2
NOV.										
11...	.08	105	93	69	27	194	8.1	11.7	--	5
DEC.										
23...	.04	76	72	54	26	140	8.0	3.9	--	5
JAN.										
15...	.02	75	49	26	9	110	8.4	2.1	--	6
FEB.										
19...	.04	107	94	63	26	178	8.3	4.0	--	5
MAR.										
18...	.03	109	107	57	24	158	8.3	5.1	--	2
APR.										
11...	.03	104	69	42	13	128	7.5	6.3	4	3
MAY										
28...	.03	83	74	50	17	135	7.8	21.0	9	5
JUNE										
19...	.01	75	72	47	20	124	7.7	22.9	7	5
JULY										
22...	.04	117	--	58	13	151	7.2	24.2	15	20
AUG.										
15...	.08	135	125	130	73	226	8.6	25.6	2	3
SEP.										
17...	.06	147	107	87	31	224	7.1	17.4	2	4

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT.										
22...	12.4	1.8	.3	830	85	20	2.7	7	127	100
NOV.										
11...	12.4	1.8	.6	--	--	--	8.0	4	58	100
DEC.										
23...	13.2	--	.5	180	164	112	4.0	13	481	--
JAN.										
15...	--	2.1	.1	432	128	60	4.3	--	--	--
FEB.										
19...	--	4.8	.4	165	288	228	2.4	6	232	100
MAR.										
18...	12.4	1.3	.3	--	124	10	.6	4	127	100
APR.										
11...	12.0	1.7	1.8	--	828	812	.8	6	305	100
MAY										
28...	9.4	2.0	1.0	--	32	64	4.3	7	202	100
JUNE										
19...	9.2	3.1	1.1	--	4026	250	5.6	36	1380	92
JULY										
22...	8.2	--	5.5	--	3929	2250	5.4	108	4640	93
AUG.										
15...	9.9	3.0	.3	--	32	--	3.1	7	103	100
SEP.										
17...	10.6	.6	8.8	--	20	--	5.7	4	49	100

DATE	TIME	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)
DEC.											
23...	1100	1800	80	150	80	70	2	0	2	1	0
MAR.											
18...	0915	300	30	40	0	40	1	0	1	1	0
JUNE											
19...	0930	500	70	70	50	20	0	0	0	1	0
SEP.											
17...	1115	170	20	10	0	10	1	1	0	0	0

DATE	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUSPENDED COBALT (CO) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
DEC.											
23...	1	10	10	0	0	0	0	10	0	10	5
MAR.											
18...	1	20	0	20	1	0	1	30	0	30	5
JUNE											
19...	1	70	0	70	1	1	0	30	0	30	15
SEP.											
17...	0	10	10	0	0	0	0	10	0	10	12

DATE	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
DEC.											
23...	1	4	<.5	.0	<.5	0	0	0	80	40	40
MAR.											
18...	1	4	1.3	.0	1.3	1	1	0	60	0	60
JUNE											
19...	11	4	.5	.0	.5	1	1	0	68	20	40
SEP.											
17...	0	12	<.5	.0	<.5	0	0	0	30	10	20

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)
MAR. 18...	0915	1.6	.4	2.4	<.4	1.9	<.4	.03

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Oct 22	1100	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Scenedesmus	210	18	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Cyclotella	250	21	
		....Diatoma	75	6	
		....Navicula	100	8	
		....Nitzschia	90	7	
		....Synedra	210	18	
		CYANOPHYTA			
		.Myxophyceae			
		....Anabaena	180	15	
		OTHER	85	7	
		TOTAL	1200		
Nov 11	1200	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Scenedesmus	500	15	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Achnanthes	910	27	
		....Fragilaria	170	5	
		....Melosira	210	6	
		....Navicula	700	21	
		....Nitzschia	660	19	
		OTHER	250	7	
		TOTAL	3400		
Dec 23	1100	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	110	14	
		....Melosira	64	8	
		....Navicula	64	8	
		....Nitzschia	43	6	
		....Synedra	43	6	
		CYANOPHYTA			
		.Myxophyceae			
		....Lyngbya	300	38	
		OTHER	156	20	
		TOTAL	780		
Jan 15	1410	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Achnanthes	150	15	
		....Asterionella	260	26	
		....Cymbella	65	6	
		....Melosira	170	17	
		....Navicula	130	13	
		....Nitzschia	87	9	
		OTHER	138	14	
		TOTAL	1000		

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Feb 19	1025	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Asterionella	70	7	
		....Melosira	70	7	
		....Navicula	350	37	
		....Nitzschia	94	10	
		....Rhoicosphenia	120	12	
		....Synedra	94	10	
		OTHER	162	17	
		TOTAL	960		
Mar 18	0915	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Scenedesmus	35	7	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Achnanthes	61	12	
		....Asterionella	61	12	
		....Gomphonema	52	10	
		....Navicula	78	16	
		....Nitzschia	43	9	
		....Synedra	87	17	
		OTHER	83	17	
		TOTAL	500		
Apr 11	0850	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Asterionella	650	40	
		....Melosira	110	7	
		....Navicula	110	7	
		....Nitzschia	140	9	
		....Tabellaria	110	7	
		CYANOPHYTA			
		.Myxophyceae			
		....Oscillatoria	230	14	
		OTHER	250	16	
		TOTAL	1600		
May 23	1030	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Scenedesmus	1700	8	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Cyclotella	5700	27	
		....Eunotia	930	4	
		CYANOPHYTA			
		.Myxophyceae			
		....Anacystis	3500	17	
		....Oscillatoria	3300	16	
		OTHER	5870	28	
		TOTAL	21000		
July 22	1315	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Cyclotella	310	3	
		....Navicula	310	3	
		....Nitzschia	460	4	
		CYANOPHYTA			
		.Myxophyceae			
		....Aphanizomenon	10000	83	
		OTHER	920	7	
		TOTAL	12000		

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Aug 15	0900	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Coelastrum	1100	22	
		....Dictyosphaerium	1100	22	
		....Scenedesmus	600	12	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Navicula	350	7	
		....Nitzschia	380	8	
		CYANOPHYTA			
		.Myxophyceae			
		....Agmenellum	430	9	
		....Oscillatoria	320	7	
		OTHER	620	13	
		TOTAL	4900		
Sep 17	1115	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Scenedesmus	580	12	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Achnanthes	540	11	
		....Melosira	650	13	
		CYANOPHYTA			
		.Myxophyceae			
		....Anabaena	290	6	
		....Anacystis	870	17	
		....Gomphosphaeria	830	17	
		OTHER	1240	24	
		TOTAL	5000		

PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2) Dry weight	Biomass (g/m^2) Ash weight	Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling method
Feb 21	35	15	14	2.2	0.3	450	Polyethylene strip (artificial substrate)
Mar 18	27	13	12	3.0	0.4	330	
May 28	28	3.6	2.1	15	4.2	100	
June 30	33	14	13	12	1.4	110	

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	167	148	156	207	204	205	134	134	134	138	136	137
2	154	149	151	208	202	206	138	133	135	140	136	138
3	167	152	158	206	199	203	145	134	140	139	138	138
4	176	168	172	208	203	205	145	140	143	140	139	140
5	178	166	174	207	204	205	139	133	135	141	137	139
6	174	164	172	206	199	204	135	134	135	141	139	140
7	178	164	173	196	194	195	139	135	137	142	140	141
8	181	176	---	195	194	194	144	135	139	---	---	---
9	---	---	---	190	184	187	148	101	127	---	---	---
10	---	---	---	182	180	181	100	90	92	---	---	---
11	---	---	---	179	177	178	96	88	92	---	---	---
12	---	---	---	177	176	177	101	91	98	---	---	---
13	---	---	---	178	174	175	105	101	103	---	---	---
14	---	---	---	172	167	170	110	105	107	---	---	---
15	181	178	179	159	155	156	114	110	111	---	---	---
16	189	174	185	149	148	148	118	107	114	---	---	---
17	---	---	---	141	140	141	125	112	119	---	---	---
18	---	---	---	135	134	134	---	---	---	116	103	111
19	---	---	---	127	127	127	---	---	---	127	115	120
20	---	---	---	128	119	123	---	---	---	132	110	119
21	---	---	---	128	125	127	---	---	---	131	115	125
22	192	191	---	130	127	129	---	---	---	150	131	140
23	194	190	192	127	116	122	131	129	---	161	150	156
24	191	186	189	116	113	114	131	126	128	162	156	158
25	195	193	194	120	116	118	134	121	129	160	155	158
26	201	196	199	124	120	122	134	131	133	161	153	157
27	203	200	202	125	124	124	133	132	132	162	148	156
28	205	202	204	126	124	125	133	131	132	147	138	141
29	206	205	206	130	127	128	134	130	132	---	---	---
30	206	205	206	133	131	132	133	131	132	129	121	124
31	207	205	206	---	---	---	137	133	135	136	112	126
MONTH	---	---	---	208	113	159	148	88	125	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	114	104	107	---	---	---	125	122	---	169	151	156
2	135	102	115	---	---	---	122	119	120	153	134	145
3	141	125	132	---	---	---	127	121	123	140	137	139
4	132	122	127	---	---	---	130	107	121	155	142	146
5	133	116	126	---	---	---	102	92	96	168	149	158
6	145	127	138	130	121	---	93	88	91	171	154	164
7	158	144	152	146	116	124	102	86	94	160	147	152
8	162	151	158	148	124	---	121	110	---	153	140	146
9	152	148	151	---	---	---	125	120	121	141	134	136
10	159	149	153	---	---	---	128	120	125	141	134	137
11	160	156	157	---	---	---	129	128	128	143	138	142
12	167	160	163	143	140	---	129	124	126	153	138	146
13	163	151	157	147	144	146	126	124	125	149	118	124
14	163	155	158	148	141	144	129	126	128	128	117	123
15	163	159	161	149	147	148	128	125	127	125	111	118
16	160	144	152	149	146	147	129	120	126	---	---	---
17	150	135	142	151	148	149	132	121	128	---	---	---
18	161	151	159	156	146	151	134	132	133	---	---	---
19	165	150	157	151	143	148	138	134	135	112	109	---
20	160	153	157	158	147	154	139	136	138	---	---	---
21	158	154	156	152	138	---	138	135	137	---	---	---
22	157	151	155	---	---	---	143	133	139	---	---	---
23	158	151	154	---	---	---	142	138	139	---	---	---
24	155	144	147	103	96	---	137	134	136	---	---	---
25	143	137	---	100	92	---	143	133	138	---	---	---
26	---	---	---	---	---	---	142	124	132	---	---	---
27	---	---	---	---	---	---	145	132	139	139	131	---
28	---	---	---	---	---	---	150	135	144	135	126	130
29	---	---	---	---	---	---	160	149	154	131	128	129
30	---	---	---	---	---	---	160	154	158	124	115	119
31	---	---	---	---	---	---	---	---	---	133	125	129
MONTH	167	102	147	---	---	---	160	86	129	---	---	---

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	142	120	133	---	---	---	218	208	212			
2	158	133	147	---	---	---	228	223	224			
3	---	---	---	---	---	---	235	227	232			
4	---	---	---	---	---	---	244	238	240			
5	---	---	---	---	---	---	247	241	244			
6	---	---	---	---	---	---	246	237	242			
7	---	---	---	---	---	---	235	228	232			
8	---	---	---	---	---	---	232	223	227			
9	---	---	---	203	200	---	221	196	214			
10	---	---	---	205	193	202	194	175	185			
11	---	---	---	215	201	208	202	182	196			
12	---	---	---	217	202	211	216	202	208			
13	---	---	---	---	---	---	232	217	224			
14	---	---	---	---	---	---	234	219	226			
15	---	---	---	---	---	---	226	221	224			
16	120	110	---	169	151	---	229	226	---			
17	119	109	114	166	156	160	---	---	---			
18	118	112	115	167	163	165	227	225	---			
19	129	117	119	181	168	174	225	213	219			
20	135	118	126	186	171	183	213	205	210			
21	150	134	142	169	141	153	214	209	212			
22	154	136	147	167	161	---	217	210	212			
23	157	144	147	---	---	---	218	198	211			
24	160	145	149	---	---	---	234	218	227			
25	162	151	155	---	---	---	233	218	225			
26	162	156	158	---	---	---	218	186	203			
27	182	162	172	---	---	---	---	---	---			
28	185	176	184	---	---	---	---	---	---			
29	194	152	182	184	176	---	---	---	---			
30	154	138	144	195	190	193	---	---	---			
31	---	---	---	202	197	199	---	---	---			
MONTH	---	---	---	---	---	---	247	175	---			

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.0	10.4	10.8	13.1	9.4	10.9	13.9	13.1	13.5	13.2	12.9	13.0
2	11.4	10.7	11.0	12.1	9.4	10.4	13.0	11.9	12.4	13.7	12.9	13.3
3	11.9	11.0	11.5	10.1	9.1	9.5	12.8	11.9	12.5	13.8	13.5	13.7
4	12.4	11.6	12.1	11.4	9.0	9.9	13.5	12.9	13.2	13.8	13.4	13.6
5	12.6	12.0	12.2	10.0	8.8	9.3	14.4	13.5	14.0	13.8	13.4	13.6
6	12.3	11.5	11.9	11.2	9.0	9.8	15.5	14.4	15.0	13.8	13.5	13.7
7	12.3	10.9	12.0	10.9	8.9	9.6	15.5	14.2	15.1	13.6	13.2	13.4
8	13.1	10.9	11.9	11.6	9.0	10.1	14.1	11.6	13.1	---	---	---
9	13.4	10.8	11.9	11.2	9.1	10.0	12.9	11.8	12.4	---	---	---
10	13.6	10.7	11.8	11.5	9.0	10.0	13.5	11.5	12.9	---	---	---
11	14.2	10.8	12.2	13.3	10.2	11.5	14.4	13.5	13.9	---	---	---
12	13.2	10.6	11.6	12.3	10.5	11.1	14.5	13.8	14.1	---	---	---
13	12.1	9.9	10.8	10.7	9.1	10.3	14.3	14.1	14.2	---	---	---
14	12.1	10.0	10.8	10.7	9.7	10.1	14.3	13.8	13.9	---	---	---
15	13.2	10.0	11.2	10.6	9.5	10.0	14.0	13.8	13.9	---	---	---
16	13.0	9.8	11.1	10.9	9.9	10.3	13.9	13.2	13.7	---	---	---
17	12.5	9.6	10.7	10.8	10.3	10.5	13.6	12.8	---	---	---	---
18	12.9	9.9	11.1	11.3	10.9	11.1	---	---	---	14.6	14.3	14.4
19	12.7	9.8	10.9	11.8	11.3	11.5	---	---	---	14.2	13.8	14.1
20	13.2	9.9	11.2	11.9	11.4	11.6	---	---	---	13.6	13.5	13.6
21	13.0	10.1	11.2	11.7	10.6	11.4	---	---	---	13.8	13.4	13.6
22	13.1	11.5	12.0	11.5	10.6	11.1	---	---	---	13.8	13.4	13.6
23	12.5	11.3	11.9	12.1	11.5	11.8	13.7	13.0	---	13.5	13.2	13.3
24	12.8	11.2	11.8	12.5	11.8	12.1	13.6	12.9	13.0	13.5	12.9	13.3
25	12.4	10.8	11.4	12.3	11.8	12.0	13.0	12.7	12.8	13.0	12.5	12.8
26	13.0	10.7	11.6	12.9	12.0	12.4	13.2	12.7	12.9	12.5	12.1	12.4
27	13.2	10.8	11.8	13.3	12.5	12.8	13.4	13.0	13.2	12.9	11.8	12.6
28	13.7	10.8	11.9	13.1	12.4	12.7	13.4	13.0	13.2	13.4	10.7	12.5
29	13.9	10.8	12.0	13.7	12.6	13.2	13.4	13.1	13.2	11.8	10.7	11.1
30	12.5	9.9	11.1	14.1	13.2	13.6	13.3	12.8	13.1	11.5	10.9	11.1
31	12.3	9.2	10.4	---	---	---	13.2	12.8	13.0	11.8	11.1	11.3
MONTH	14.2	9.2	11.5	14.1	8.8	11.8	15.5	11.5	---	---	---	---

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.6	11.1	11.3	---	---	---	8.2	7.3	---	12.1	10.7	11.4
2	11.8	11.1	11.4	---	---	---	10.4	8.1	9.6	13.8	10.2	11.7
3	12.0	11.2	11.6	---	---	---	10.1	9.2	9.7	15.5	10.7	12.9
4	12.2	11.3	11.8	---	---	---	10.5	9.0	9.7	11.8	10.0	10.6
5	12.4	11.4	11.9	---	---	---	10.8	9.2	10.1	11.5	10.1	10.6
6	12.0	11.1	11.5	13.5	11.9	---	12.0	10.9	11.6	10.8	9.8	10.3
7	11.4	11.0	11.1	13.8	11.9	12.7	12.6	10.2	12.1	11.6	10.2	11.0
8	11.7	10.9	11.2	13.9	12.0	---	13.4	11.4	---	12.0	10.9	11.4
9	11.5	10.9	11.2	---	---	---	---	---	---	11.8	10.2	11.1
10	12.3	11.4	11.9	---	---	---	---	---	---	10.3	9.4	9.8
11	12.3	11.5	11.9	---	---	---	---	---	---	10.7	9.0	9.8
12	12.8	11.0	11.7	12.3	11.8	---	---	---	---	11.3	9.5	10.2
13	13.7	11.7	12.8	12.6	11.9	12.2	---	---	---	10.3	9.1	9.6
14	13.7	13.1	13.4	12.2	11.8	12.0	---	---	---	9.2	9.0	9.1
15	13.8	12.2	13.3	11.9	11.6	11.8	11.0	10.7	11.4	9.6	9.1	9.3
16	13.4	12.1	13.0	11.8	11.5	11.6	12.3	10.6	11.5	9.3	8.8	9.1
17	13.1	12.3	12.7	12.4	11.9	12.0	12.9	11.2	11.9	9.6	9.0	9.3
18	13.1	12.2	12.6	13.0	11.9	12.6	12.7	11.1	11.9	9.4	8.9	9.1
19	13.6	13.1	13.3	12.9	12.0	12.4	11.9	10.4	11.2	10.2	8.7	9.4
20	13.8	12.9	13.3	12.6	11.9	12.0	12.9	10.0	11.5	9.7	8.5	9.1
21	14.2	13.0	13.5	11.6	11.0	---	13.6	10.3	11.8	9.1	8.5	8.7
22	14.2	12.8	13.4	---	---	---	15.1	10.6	12.6	8.4	7.3	7.8
23	13.0	11.6	---	---	---	---	15.5	11.6	13.6	11.6	8.4	9.7
24	12.2	11.2	11.7	12.1	11.8	---	13.2	10.8	12.0	10.6	8.7	9.6
25	11.7	11.1	---	12.0	11.4	---	---	---	---	9.7	8.5	8.9
26	---	---	---	---	---	---	---	---	---	10.0	8.2	9.1
27	---	---	---	---	---	---	13.3	10.2	11.6	10.2	8.7	9.3
28	---	---	---	---	---	---	13.5	10.4	11.8	12.0	9.0	10.5
29	---	---	---	---	---	---	13.3	10.3	11.8	13.8	9.9	11.7
30	---	---	---	---	---	---	15.5	10.7	12.7	12.2	10.4	11.6
31	---	---	---	---	---	---	---	---	---	13.1	10.7	11.5
MONTH	14.2	10.9	12.2	---	---	---	---	---	---	15.5	7.3	10.1

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.6	7.9	9.3	---	---	---	11.5	8.6	9.9			
2	8.8	8.3	8.6	---	---	---	11.7	8.3	9.8			
3	10.1	8.9	9.3	---	---	---	12.6	8.0	10.1			
4	11.5	9.5	10.6	---	---	---	12.3	7.7	9.3			
5	10.4	7.6	9.5	---	---	---	12.4	8.1	10.1			
6	8.5	7.7	7.8	---	---	---	8.8	7.2	7.8			
7	8.6	7.8	8.2	---	---	---	8.2	7.4	7.8			
8	9.2	8.6	8.9	---	---	---	9.0	7.8	8.3			
9	9.5	9.0	---	11.1	7.1	---	9.5	8.2	8.8			
10	---	---	---	10.0	6.5	8.0	10.0	8.2	9.0			
11	---	---	---	9.6	6.9	8.0	10.6	8.6	9.0			
12	---	---	---	8.2	6.4	7.2	11.7	8.3	9.8			
13	---	---	---	---	---	---	12.4	8.5	10.2			
14	---	---	---	---	---	---	13.2	8.5	10.6			
15	---	---	---	---	---	---	13.9	9.0	11.2			
16	9.3	8.9	---	8.6	8.4	---	10.4	8.4	---			
17	9.0	7.9	8.5	8.7	8.3	8.5	---	---	---			
18	9.9	8.0	8.9	8.7	8.2	8.4	9.8	8.3	---			
19	10.2	8.5	9.4	8.6	8.0	8.3	11.8	8.2	9.8			
20	9.9	7.6	9.0	8.6	7.7	8.2	12.7	9.0	10.5			
21	10.9	7.6	8.8	8.1	7.6	7.8	---	---	---			
22	9.3	7.6	8.6	8.1	7.2	---	---	---	---			
23	12.9	8.7	10.6	---	---	---	---	---	---			
24	13.5	8.4	10.6	---	---	---	---	---	---			
25	11.6	8.1	9.7	---	---	---	---	---	---			
26	9.5	7.5	8.4	---	---	---	8.4	6.8	7.3			
27	9.5	7.7	8.5	---	---	---	---	---	---			
28	10.2	8.4	8.9	---	---	---	---	---	---			
29	9.2	7.4	8.6	9.8	9.0	---	---	---	---			
30	8.4	8.1	8.2	10.4	8.8	9.5	---	---	---			
31	---	---	---	11.4	8.9	10.0	---	---	---			
MONTH	13.5	7.4	---	---	---	---	---	---	---			

DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.3	7.4	9.9	7.3	8.7	7.5	7.3	7.4	7.5	7.4	7.4
2	7.4	7.3	7.4	9.7	8.2	8.9	7.5	7.0	7.3	7.6	7.3	7.5
3	7.4	7.1	7.3	9.2	6.9	8.1	7.2	7.1	7.2	7.7	7.6	7.6
4	7.4	7.0	7.2	8.8	7.0	7.8	7.7	7.2	7.5	7.6	7.6	7.6
5	7.7	7.2	7.4	7.7	6.1	7.1	7.7	7.5	7.6	7.6	7.5	7.6
6	8.0	7.5	7.6	8.4	6.4	7.4	7.6	7.3	7.5	7.6	7.5	7.6
7	8.3	7.5	7.7	8.3	6.8	7.5	7.5	7.3	7.4	7.6	7.4	7.5
8	8.8	7.6	8.1	8.8	7.2	7.8	7.3	7.1	7.2	---	---	---
9	9.0	7.8	8.3	8.7	7.3	7.8	7.3	6.9	7.1	---	---	---
10	9.3	7.7	8.3	8.7	7.3	7.8	6.9	6.7	6.8	---	---	---
11	9.1	7.6	8.0	9.1	7.3	8.0	6.8	6.6	6.8	---	---	---
12	9.0	7.6	8.2	8.4	6.7	7.4	6.9	6.7	6.8	---	---	---
13	8.8	7.5	8.0	7.4	6.9	7.1	6.9	6.8	6.9	---	---	---
14	8.1	7.4	7.7	7.5	7.1	7.3	7.0	6.9	6.9	---	---	---
15	9.1	7.4	8.1	7.3	6.9	7.0	7.1	7.0	7.1	---	---	---
16	7.9	7.6	7.7	7.2	7.0	7.1	7.1	6.9	7.1	---	---	---
17	7.7	7.5	7.6	7.2	7.0	7.1	7.4	6.9	---	---	---	---
18	7.8	7.5	7.7	7.4	7.1	7.3	---	---	---	7.8	7.4	7.6
19	8.0	7.7	7.8	7.5	7.1	7.2	---	---	---	7.4	7.3	7.4
20	8.0	7.7	7.8	7.2	7.0	7.1	---	---	---	7.5	7.3	7.4
21	8.1	7.7	7.9	7.4	7.0	7.3	---	---	---	7.7	7.5	7.6
22	8.3	7.5	7.8	7.9	7.2	7.5	---	---	---	7.6	7.4	7.5
23	8.3	7.3	7.7	7.6	7.4	7.5	7.3	7.1	---	7.6	7.4	7.5
24	8.4	7.3	7.7	7.5	7.2	7.3	7.3	7.2	7.3	7.5	7.5	7.5
25	8.0	7.1	7.4	7.4	7.2	7.3	7.5	7.2	7.3	7.5	7.4	7.5
26	8.5	7.1	7.6	7.7	7.2	7.4	7.7	7.5	7.6	7.6	7.4	7.5
27	8.5	7.0	7.6	7.6	7.3	7.5	7.5	7.4	7.4	7.6	7.4	7.5
28	8.0	7.3	7.9	7.4	7.2	7.3	7.5	7.4	7.4	7.6	7.2	7.4
29	8.0	7.4	8.0	7.5	7.2	7.3	7.5	7.4	7.4	7.5	7.1	7.3
30	9.0	6.8	8.2	7.6	7.3	7.4	7.5	7.3	7.4	7.5	7.3	7.4
31	9.0	7.4	8.4	---	---	---	7.5	7.4	7.5	7.5	7.4	7.4
MONTH	9.3	6.8	7.8	9.9	6.1	7.5	7.7	6.6	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.4	7.3	7.4	---	---	---	7.5	7.3	---	8.9	7.8	8.5
2	7.5	7.2	7.4	---	---	---	7.6	7.3	7.5	9.0	7.7	8.3
3	7.6	7.3	7.4	---	---	---	7.7	7.5	7.6	9.3	8.0	8.7
4	7.6	7.4	7.5	---	---	---	7.7	7.4	7.6	8.8	7.6	8.2
5	7.6	7.4	7.5	---	---	---	7.4	7.1	7.3	8.0	7.5	7.7
6	7.6	7.3	7.4	7.6	7.3	---	7.5	7.3	7.4	7.7	7.6	7.6
7	7.6	7.5	7.5	7.7	7.4	7.5	7.5	7.3	7.4	7.8	7.5	7.6
8	7.7	7.5	7.6	7.9	7.6	---	7.8	7.6	---	7.7	7.4	7.6
9	7.8	7.5	7.6	---	---	---	7.8	7.7	7.8	7.5	7.4	7.4
10	7.8	7.6	7.7	---	---	---	7.9	7.6	7.8	7.7	7.3	7.5
11	7.8	7.6	7.7	---	---	---	8.0	7.7	7.9	8.2	7.5	7.8
12	7.8	7.6	7.7	7.5	7.3	---	8.1	7.8	8.0	8.1	7.6	7.8
13	7.8	7.6	7.7	7.6	7.4	7.4	8.1	7.8	8.0	7.8	7.4	7.6
14	8.0	7.7	7.8	7.5	7.4	7.4	8.4	7.9	8.1	7.5	7.3	7.4
15	8.0	7.7	7.8	7.4	7.4	7.4	8.1	7.7	7.8	7.5	7.3	7.4
16	7.9	7.7	7.8	7.5	7.4	7.4	8.5	7.7	8.1	7.4	7.3	7.3
17	7.8	7.6	7.7	7.5	7.4	7.4	8.7	7.8	8.2	7.6	7.2	7.4
18	7.8	7.4	7.6	7.6	7.4	7.5	8.7	7.8	8.2	7.6	7.4	7.5
19	7.7	7.5	7.6	7.8	7.4	7.6	8.0	7.0	7.5	7.8	7.4	7.7
20	7.7	7.2	7.6	---	---	---	9.0	7.7	8.4	7.9	7.4	7.6
21	7.9	7.5	7.7	7.6	7.5	---	9.3	7.9	8.7	7.9	7.3	7.6
22	8.0	7.5	7.7	---	---	---	9.4	8.3	9.0	8.1	7.2	7.6
23	7.6	7.3	---	---	---	---	9.5	8.6	8.9	8.5	7.3	7.8
24	---	---	---	7.0	6.9	---	9.0	8.0	8.7	8.2	7.5	7.8
25	---	---	---	6.9	6.8	---	9.1	7.8	8.3	7.8	7.5	7.6
26	---	---	---	---	---	---	8.1	7.7	7.9	8.3	7.5	7.8
27	---	---	---	---	---	---	9.0	8.0	8.7	8.7	7.6	8.1
28	---	---	---	---	---	---	9.4	8.5	9.0	9.2	7.8	8.5
29	---	---	---	---	---	---	9.0	8.3	8.7	9.5	8.0	8.9
30	---	---	---	---	---	---	9.3	8.0	8.7	9.0	8.1	8.7
31	---	---	---	---	---	---	---	---	---	8.9	7.8	8.2
MONTH	8.0	7.2	7.6	---	---	---	9.5	7.0	8.1	9.5	7.2	7.8

DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.3	7.5	---	---	---	8.8	8.0	8.4			
2	7.8	7.3	7.6	---	---	---	9.0	7.9	8.5			
3	8.4	7.7	7.9	---	---	---	9.2	8.0	8.6			
4	9.0	7.7	8.3	---	---	---	8.9	8.0	8.4			
5	8.7	7.9	8.3	---	---	---	8.9	7.8	8.4			
6	7.8	7.4	7.5	---	---	---	8.1	7.5	7.7			
7	7.5	7.3	7.4	---	---	---	7.8	7.6	7.7			
8	7.7	7.5	7.6	---	---	---	8.0	7.6	7.8			
9	7.8	7.5	---	9.1	7.8	---	8.2	7.8	8.0			
10	---	---	---	8.9	8.4	8.6	8.6	7.9	8.1			
11	---	---	---	9.1	8.5	8.6	8.7	7.8	8.2			
12	---	---	---	8.8	7.9	8.4	8.9	7.7	8.3			
13	---	---	---	---	---	---	9.0	7.8	8.4			
14	---	---	---	---	---	---	9.0	7.8	8.5			
15	---	---	---	---	---	---	9.2	8.0	8.6			
16	7.8	7.6	---	7.4	7.2	---	8.5	8.0	---			
17	7.6	7.3	7.5	7.6	7.3	7.4	---	---	---			
18	8.1	7.4	7.7	7.6	7.3	7.4	7.5	7.0	---			
19	8.6	7.4	7.9	7.6	7.4	7.5	7.9	7.0	7.5			
20	8.4	7.6	7.9	7.7	6.6	7.4	8.2	7.1	7.7			
21	8.1	7.5	7.7	7.4	6.3	7.1	8.4	7.3	7.9			
22	8.4	7.6	7.9	7.3	7.3	---	8.3	7.6	7.9			
23	9.5	7.7	8.8	---	---	---	8.5	7.3	7.9			
24	9.5	8.8	9.1	---	---	---	7.9	7.4	7.5			
25	9.3	8.6	9.0	---	---	---	8.2	7.5	7.8			
26	9.0	8.1	8.6	---	---	---	7.6	7.4	7.5			
27	8.8	7.9	8.7	---	---	---	---	---	---			
28	8.6	7.8	8.0	---	---	---	---	---	---			
29	7.8	7.4	7.6	8.0	7.8	---	---	---	---			
30	7.3	7.0	7.1	8.3	7.8	8.0	---	---	---			
31	---	---	---	8.8	7.9	8.3	---	---	---			
MONTH	9.5	7.0	---	---	---	---	9.2	7.0	---			

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.0	16.0	16.5	15.0	13.0	14.0	3.5	3.5	3.5	3.5	3.0	3.0
2	16.0	15.0	15.5	15.5	14.0	14.5	4.5	3.5	4.0	3.5	2.5	3.0
3	15.5	14.0	15.0	15.0	14.5	14.5	4.5	4.0	4.5	3.0	2.5	2.5
4	15.5	14.5	15.0	15.5	14.0	15.0	4.0	2.5	3.0	3.5	2.5	3.0
5	15.5	14.5	15.0	15.5	14.5	15.0	3.0	2.0	2.5	4.0	3.0	3.5
6	15.0	14.0	14.5	15.0	14.0	14.5	3.5	2.5	3.0	4.0	3.0	3.5
7	15.0	14.0	14.5	14.0	13.5	13.5	4.0	3.0	3.5	4.5	3.5	4.0
8	14.5	13.0	13.5	13.5	12.5	13.0	7.5	4.0	5.5	---	---	---
9	15.0	13.0	14.0	13.5	12.0	12.5	7.5	6.5	7.0	---	---	---
10	15.0	13.5	14.0	13.0	11.5	12.0	6.0	4.0	4.5	---	---	---
11	16.0	13.5	14.5	12.0	10.5	11.5	4.5	3.5	4.0	---	---	---
12	15.5	14.0	15.0	12.0	11.0	11.5	4.0	3.5	3.5	---	---	---
13	15.5	15.0	15.0	12.0	11.0	11.5	4.0	3.5	4.0	---	---	---
14	15.5	14.5	15.0	10.5	10.0	10.0	4.5	4.0	4.0	---	---	---
15	15.5	14.5	15.0	10.0	8.5	9.0	4.5	4.0	4.0	---	---	---
16	15.0	13.5	14.5	8.5	8.0	8.0	5.0	4.5	4.5	---	---	---
17	14.5	13.5	14.0	8.0	6.5	7.0	5.0	4.5	---	---	---	---
18	14.5	13.5	14.0	6.5	6.0	6.0	---	---	---	1.5	0.5	1.0
19	13.5	12.5	12.5	6.5	6.0	6.5	---	---	---	2.5	1.0	1.5
20	12.5	10.5	11.5	8.0	6.5	7.0	---	---	---	2.5	1.5	2.0
21	11.5	10.5	11.0	8.0	7.0	7.0	---	---	---	1.5	0.5	1.5
22	11.5	9.0	9.5	7.0	6.5	6.5	---	---	---	2.0	1.5	1.5
23	9.5	8.5	9.0	6.5	5.5	6.0	4.0	3.5	---	2.5	1.5	2.0
24	10.5	8.5	9.5	6.5	5.5	6.0	4.0	4.0	4.0	2.5	2.0	2.5
25	10.0	9.0	9.5	6.5	6.0	6.0	4.0	3.5	4.0	3.0	2.5	3.0
26	10.5	9.0	10.0	5.5	3.5	4.5	4.0	3.0	3.5	3.0	2.5	3.0
27	11.0	9.5	10.0	4.5	3.5	4.0	3.5	3.0	3.0	3.0	2.5	3.0
28	11.5	9.5	10.5	4.5	4.0	4.0	3.5	3.0	3.5	3.5	2.5	3.0
29	12.0	10.5	11.0	4.5	3.5	4.0	3.5	2.5	3.0	4.5	3.0	4.0
30	13.0	11.5	12.0	4.0	3.5	3.5	4.0	3.0	3.5	5.0	3.0	4.0
31	14.0	12.0	13.0	---	---	---	4.0	3.0	3.5	5.5	3.0	5.0
MONTH	17.0	8.5	13.0	15.5	3.5	9.5	7.5	2.0	---	---	---	---

DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.0	4.5	4.5	---	---	---	9.0	6.0	---	13.5	12.0	12.5
2	4.5	4.0	4.0	---	---	---	11.5	7.5	9.5	13.0	11.5	12.0
3	4.5	3.5	4.0	---	---	---	11.5	10.0	11.0	15.5	12.0	13.5
4	4.0	3.5	3.5	---	---	---	10.5	6.5	8.5	14.5	13.0	14.0
5	3.5	3.0	3.0	---	---	---	6.5	3.5	4.5	14.5	12.0	13.0
6	4.0	3.0	3.5	6.0	5.5	---	4.0	3.0	3.5	14.0	13.0	13.5
7	4.5	3.5	4.0	5.5	4.0	5.0	6.5	3.0	4.5	15.0	12.5	13.5
8	4.0	3.5	4.0	6.5	5.5	---	7.5	5.0	6.5	15.5	12.5	14.0
9	4.0	3.0	4.0	---	---	---	8.5	6.5	8.0	15.5	13.0	14.5
10	3.5	2.5	3.0	---	---	---	10.5	7.5	8.0	15.5	13.5	14.5
11	3.0	3.0	3.0	---	---	---	8.0	6.0	6.5	17.5	14.0	16.0
12	3.0	2.0	2.5	4.5	4.0	---	10.0	7.5	8.5	17.5	15.0	16.5
13	3.5	1.0	2.5	5.5	4.5	5.0	10.0	8.0	9.5	19.0	17.0	17.5
14	2.5	1.0	1.5	7.0	5.5	6.5	10.5	7.5	9.0	18.5	16.0	17.5
15	2.5	2.0	2.0	6.0	4.0	5.0	9.5	8.0	8.5	17.5	15.0	16.5
16	3.0	2.5	3.0	4.0	3.0	3.5	11.0	7.5	9.5	18.5	16.5	17.5
17	4.0	3.0	3.5	6.0	3.5	5.0	13.5	10.0	12.0	19.0	16.5	18.0
18	4.0	3.0	3.5	6.0	4.0	5.5	14.0	12.0	13.0	18.5	16.5	18.0
19	4.0	3.0	3.5	6.5	6.0	6.0	15.0	13.0	14.0	20.0	16.5	18.5
20	4.5	3.0	3.5	---	---	---	14.5	13.0	13.5	21.5	18.0	20.0
21	4.5	3.5	4.0	---	---	---	14.0	11.5	12.5	22.0	19.5	21.0
22	5.0	3.5	4.5	---	---	---	13.5	11.5	12.5	23.5	20.5	22.0
23	5.0	4.5	5.0	---	---	---	14.5	11.5	13.5	24.5	21.0	23.0
24	6.0	5.0	5.5	7.0	5.5	---	14.0	13.0	13.5	25.0	22.5	23.5
25	6.0	5.5	---	7.5	6.0	---	17.0	14.5	16.5	25.0	21.0	23.0
26	---	---	---	---	---	---	16.0	15.0	15.5	22.0	19.5	21.0
27	---	---	---	---	---	---	15.0	12.5	14.0	22.5	21.0	22.0
28	---	---	---	---	---	---	14.5	12.5	13.5	23.5	21.5	22.5
29	---	---	---	---	---	---	13.5	12.5	13.0	24.0	22.5	23.0
30	---	---	---	---	---	---	15.0	11.5	13.0	23.0	23.0	23.0
31	---	---	---	---	---	---	---	---	---	24.0	22.5	23.0
MONTH	6.0	1.0	3.5	---	---	---	17.0	3.0	10.5	25.0	11.5	18.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	23.0	23.0	---	---	---	27.5	25.0	26.0			
2	24.0	22.5	23.5	---	---	---	29.0	26.0	27.5			
3	23.5	21.5	22.0	---	---	---	30.0	27.0	28.5			
4	22.0	21.0	21.5	---	---	---	29.5	27.0	28.0			
5	21.0	18.0	20.5	---	---	---	29.0	26.0	27.5			
6	20.5	18.5	19.0	---	---	---	27.5	24.5	26.5			
7	19.5	17.0	18.5	---	---	---	24.5	22.0	23.5			
8	18.5	17.5	18.0	---	---	---	23.0	21.0	22.0			
9	18.0	17.0	---	28.0	24.5	---	24.0	22.0	23.0			
10	---	---	---	28.0	23.5	25.5	24.5	22.5	23.5			
11	---	---	---	28.0	25.5	26.5	25.0	23.0	24.0			
12	---	---	---	26.5	25.5	26.0	27.0	23.5	25.0			
13	---	---	---	---	---	---	27.0	24.0	25.5			
14	---	---	---	---	---	---	27.5	24.5	26.0			
15	---	---	---	---	---	---	28.0	25.0	26.0			
16	21.0	20.5	---	24.0	22.5	---	27.0	25.0	---			
17	21.5	19.0	20.0	25.5	22.5	24.0	---	---	---			
18	24.0	21.0	22.5	26.5	24.0	25.0	25.5	24.5	---			
19	25.5	22.5	24.0	27.0	25.0	26.0	26.0	23.0	24.5			
20	26.0	23.5	25.0	26.5	24.0	25.5	26.5	23.0	24.5			
21	26.0	22.5	24.0	25.5	23.5	24.5	26.0	23.5	24.5			
22	25.5	22.5	24.0	24.5	23.0	---	26.0	24.0	25.0			
23	26.5	22.5	24.5	---	---	---	25.5	23.0	24.5			
24	27.0	24.5	25.5	---	---	---	24.0	23.0	23.5			
25	27.0	24.0	25.5	---	---	---	26.0	23.0	24.5			
26	26.0	23.5	25.0	---	---	---	26.5	24.5	25.5			
27	23.5	22.5	23.0	---	---	---	---	---	---			
28	24.5	22.0	23.0	---	---	---	---	---	---			
29	24.0	22.5	23.5	25.0	23.5	---	---	---	---			
30	22.5	20.5	21.0	25.5	23.5	24.5	---	---	---			
31	---	---	---	26.5	24.0	25.0	---	---	---			
MONTH	27.0	17.0	---	---	---	---	30.0	21.0	---			

DELAWARE RIVER BASIN

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	19900	60	3220	5160	4	56	8160	4	88
2	17500	39	1840	6030	4	65	10400	8	225
3	14500	21	822	6090	3	49	11700	12	379
4	12300	13	432	6010	3	49	11900	9	289
5	10800	11	321	5690	4	61	11200	7	212
6	9730	10	263	5630	4	61	10100	10	273
7	8850	9	215	5180	3	42	8710	7	165
8	8150	7	154	5920	2	32	12100	40	1310
9	7600	5	103	6280	2	34	49700	430	57700
10	7070	5	95	5950	2	32	69000	190	35400
11	6720	4	73	5310	3	43	47700	70	9020
12	7030	3	57	5360	3	43	35700	60	5780
13	6980	3	57	8160	17	375	28200	21	1600
14	6820	4	74	12800	27	933	23100	15	936
15	6090	5	82	18000	55	2670	20100	13	706
16	8030	26	564	15200	23	944	22600	45	2750
17	11300	31	946	13200	9	321	24900	52	3500
18	9810	15	397	11900	7	225	23400	26	1640
19	10300	11	306	11100	4	120	21200	17	973
20	9480	7	179	10500	3	85	18600	13	653
21	7510	6	122	10400	3	84	16900	9	411
22	6660	7	126	11900	7	225	15400	8	333
23	6690	7	126	14400	12	467	13600	7	257
24	6700	7	127	12000	10	324	12600	7	238
25	6110	6	99	10800	8	233	12800	7	242
26	5940	5	80	10600	7	200	13300	6	215
27	5800	5	76	10500	6	170	12700	6	206
28	5350	4	58	9840	6	159	12700	6	206
29	5260	4	57	9090	5	123	11700	5	158
30	5310	3	43	8620	3	70	10500	5	142
31	5370	3	43	---	---	---	9990	6	162
MONTH	265660	---	11159	277620	---	8295	610660	---	126169

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	10800	8	233	22800	8	492	38700	42	4390
2	11200	8	242	20200	7	382	32100	21	1820
3	10300	8	222	18300	5	247	25700	18	1250
4	9930	8	214	16700	5	225	23000	11	683
5	9090	8	196	16000	4	173	19800	7	374
6	8200	8	177	15300	4	165	17800	5	240
7	8680	7	164	15000	4	162	16700	7	316
8	9580	6	155	14900	3	121	15900	6	258
9	14400	53	2060	13500	2	73	15000	4	162
10	20400	56	3110	11600	2	63	13600	3	110
11	24900	29	1950	9780	3	79	12300	4	133
12	25800	14	975	10800	5	146	13000	3	105
13	35900	37	3590	9780	3	79	13700	2	74
14	36200	24	2350	9700	4	106	13500	2	73
15	29100	7	550	10100	2	55	13600	3	110
16	24200	6	392	9910	2	54	13500	3	109
17	21000	4	227	9840	1	27	12800	2	69
18	19900	9	484	10000	4	117	11700	2	63
19	20100	11	597	14300	9	347	15400	10	416
20	20400	9	501	15300	10	413	36400	210	20600
21	17600	5	238	13800	7	261	52600	135	19200
22	15700	4	170	12600	5	170	49100	55	7290
23	14100	3	114	12700	5	171	37700	23	2340
24	13900	3	113	19400	60	3140	30900	12	1000
25	14800	12	480	65600	290	51400	32100	11	953
26	20800	18	972	88000	230	54600	32300	10	872
27	21300	13	748	65800	95	16900	29700	9	722
28	22000	10	594	49600	55	7370	25900	7	490
29	21500	9	522	---	---	---	27000	6	356
30	22500	12	729	---	---	---	20200	7	382
31	23900	10	645	---	---	---	20600	6	334
MONTH	577780	---	23714	602190	---	137538	727300	---	65294

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	20400	4	220	10300	1	28	13500	60	2190
2	19100	3	155	10000	1	27	10900	46	1350
3	20000	14	756	10300	4	111	9640	13	338
4	37100	130	13000	11600	7	219	8720	10	235
5	44800	66	7980	16400	10	443	9140	12	296
6	37000	25	2500	19100	12	619	16500	44	1960
7	29800	13	1050	20000	14	756	25000	130	8770
8	25900	9	629	23000	28	1740	28500	100	7690
9	23200	4	251	24600	24	1590	22400	40	2420
10	20600	2	111	21400	17	982	17400	22	1030
11	18700	1	50	18800	11	558	15700	17	721
12	17400	1	47	17000	7	321	17100	19	877
13	16000	1	43	17900	13	628	23700	70	4480
14	14900	1	40	24700	20	1330	25400	110	7540
15	14100	1	38	26800	28	2030	22600	70	4270
16	13500	1	36	25900	25	1750	18800	40	2030
17	12700	1	34	24400	21	1380	18300	15	741
18	12300	1	33	22500	15	911	16300	13	572
19	11900	1	32	19700	12	638	14200	11	422
20	11700	1	32	18100	9	440	13700	10	370
21	11200	1	30	17000	10	459	12500	9	304
22	11100	1	30	14800	9	360	11200	10	302
23	11000	1	30	14600	8	315	8980	9	218
24	10800	1	29	14900	10	402	8120	8	175
25	12600	4	136	14400	15	583	8330	7	157
26	16100	4	174	13000	14	491	7150	5	97
27	14600	3	118	12000	13	421	6630	4	72
28	12500	2	67	10700	9	260	7020	3	57
29	11500	1	31	10200	7	193	12400	84	2810
30	11100	1	30	8720	6	141	13100	102	3610
31	---	---	---	9240	5	125	---	---	---
MONTH	543600	---	27712	522060	---	20251	442930	---	56104

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	11100	64	1920	8870	11	263	9890	90	2400
2	9430	38	968	8140	9	198	9550	65	1680
3	9210	15	373	7240	7	137	7310	40	789
4	9100	19	467	6540	9	159	6390	27	466
5	7740	22	460	8020	15	325	5830	12	189
6	6220	17	285	8420	12	273	5500	8	119
7	5980	10	161	9040	10	244	5190	10	140
8	5540	7	105	9030	11	268	4540	5	61
9	5580	9	136	9610	9	234	3980	4	43
10	5540	8	120	8180	10	221	4240	2	23
11	5830	7	110	6810	9	165	4840	4	52
12	5580	8	121	6090	7	115	4740	3	38
13	21800	90	5300	6200	8	134	6760	7	128
14	30100	300	24400	5850	6	95	5770	8	125
15	28600	220	17000	5470	7	103	4660	5	63
16	22900	110	6800	5560	7	105	4880	4	53
17	18100	80	3910	6160	10	166	4730	3	38
18	15500	60	2510	5740	7	108	4650	2	25
19	12700	39	1340	5600	7	106	4560	2	25
20	12400	30	1000	5440	6	88	4790	3	39
21	19800	520	27800	4950	7	94	5740	3	46
22	15900	120	5150	4770	8	103	5570	4	60
23	15900	55	2360	4770	7	90	7800	11	232
24	13300	38	1360	4830	6	78	17700	85	4060
25	20800	190	10700	6570	21	373	39300	280	29700
26	23800	170	10900	8320	75	1680	41600	170	19100
27	18500	70	3500	8050	38	826	46600	160	20100
28	15400	35	1460	6750	19	346	36100	54	5260
29	12400	26	870	5790	9	141	29000	31	2430
30	11500	21	652	5180	7	98	22900	24	1480
31	10100	16	436	5520	6	89	---	---	---
MONTH	426350	---	132674	207510	---	7425	365110	---	88964
YEAR	5568770		765299.0						

01463500 DELAWARE RIVER AT TRENTON, N.J.--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
AUG. 19...	1200	7210	25.0	235	4580	24	33

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM
AUG. 19...	45	61	79	94	99	100

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM
DEC. 10...	1200	24	37	50	64	77	97	100	--	--
FEB. 24...	1700	17	25	37	51	68	92	97	9	100

01464040 DELAWARE RIVER AT MARINE TERMINAL, TRENTON, N.J.

LOCATION.--Lat 40°11'21", long 74°45'22", Mercer County, on left bank at downstream end of wharf at Marine Terminal, Trenton, 1.6 mi (2.6 km) downstream from toll bridge on U.S. Highway 1, 2.0 mi (3.2 km) downstream from Assunpink Creek, and at mile 131.80 (212 km) upstream from Atlantic Ocean.

DRAINAGE AREA.--6,870 mi^2 (17,793 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1973 to September 1975.
Water temperatures: October 1972 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 432 micromhos Aug. 19; minimum, 102 micromhos Apr. 16.
Water temperatures: Maximum, 32.0°C July 9; minimum, freezing point Jan. 17.

Period of record:
Specific conductance: Maximum, 722 micromhos Aug. 24, 1973; minimum, 90 micromhos Apr. 5, 1973.
Water temperatures: Maximum, 32.5°C Sept. 4, 1973; minimum, freezing point on many days during winter months.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	213	181	191	260	203	217	156	141	145	159	153	157
2	209	172	187	309	212	240	158	143	150	158	154	156
3	205	178	195	240	207	217	156	144	151	155	151	153
4	207	178	195	235	207	216	153	143	149	161	156	157
5	219	180	196	260	210	229	151	137	141	159	155	157
6	206	184	191	287	215	243	156	137	143	163	158	160
7	241	189	207	284	212	242	157	142	148	166	161	163
8	260	195	214	316	216	243	173	149	160	184	162	169
9	223	201	208	278	200	228	155	120	141	187	160	173
10	259	203	217	237	192	202	118	111	113	176	161	169
11	262	206	221	221	191	200	130	111	118	169	154	161
12	274	210	226	246	194	207	166	116	141	154	144	148
13	341	213	243	256	194	218	---	---	---	148	132	141
14	219	207	213	249	190	210	---	---	---	142	130	135
15	231	211	218	214	154	181	---	---	---	138	130	135
16	240	209	221	184	151	162	---	---	---	144	133	139
17	224	211	216	176	145	161	---	---	---	161	137	140
18	251	216	225	177	143	156	---	---	---	156	141	145
19	286	218	240	185	149	160	---	---	---	155	141	145
20	252	202	219	187	154	166	---	---	---	156	151	153
21	267	196	219	179	154	165	---	---	---	160	154	157
22	263	197	222	177	149	161	---	---	---	161	157	159
23	248	204	220	161	141	148	158	148	---	168	157	162
24	254	198	220	159	135	143	154	146	150	166	164	165
25	231	199	214	155	135	145	150	146	151	174	164	167
26	262	198	220	148	131	142	151	146	149	168	158	163
27	259	205	220	142	128	135	151	147	149	164	157	161
28	271	203	222	139	133	136	154	148	150	158	151	154
29	250	208	223	143	135	138	155	148	151	155	147	151
30	236	205	216	146	136	141	155	151	153	155	148	152
31	259	207	221	---	---	---	158	151	155	157	152	155
MONTH	341	172	215	316	128	185	---	---	---	187	130	155

01464040 DELAWARE RIVER AT MARINE TERMINAL, TRENTON, N.J.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	149	144	147	127	121	123	131	124	126	186	153	164
2	146	142	144	132	123	127	132	123	128	195	167	175
3	144	138	142	135	126	131	139	128	133	200	163	178
4	149	140	144	140	131	136	---	---	---	192	175	181
5	151	147	149	155	135	144	---	---	---	182	168	172
6	153	150	152	163	149	155	---	---	---	172	155	163
7	158	151	154	169	155	163	---	---	---	164	144	156
8	159	155	157	177	158	161	---	---	---	161	143	152
9	158	148	155	166	155	160	---	---	---	150	133	143
10	149	143	147	170	157	161	---	---	---	148	137	141
11	151	148	149	178	162	167	---	---	---	162	141	149
12	152	150	151	188	168	174	---	---	---	165	141	153
13	151	148	150	179	165	172	---	---	---	162	141	155
14	154	149	152	187	169	176	133	113	---	157	149	154
15	157	153	155	180	169	174	140	108	121	154	146	150
16	157	155	156	185	173	180	147	102	126	155	142	149
17	158	154	156	192	176	184	152	121	135	155	135	146
18	166	158	162	191	178	186	154	115	139	151	138	145
19	162	160	161	192	156	182	156	135	151	154	139	148
20	163	159	161	168	145	156	156	119	140	155	148	152
21	162	154	159	158	132	146	158	113	136	156	143	150
22	160	157	158	137	129	132	156	132	---	170	149	154
23	160	157	158	137	123	130	161	132	148	163	155	159
24	167	155	160	149	130	137	165	158	161	165	154	160
25	155	117	140	141	131	135	168	160	163	162	148	156
26	117	111	114	140	126	133	164	157	161	161	150	157
27	120	114	116	133	121	126	164	142	157	183	154	167
28	124	116	119	133	120	125	166	142	160	195	158	170
29	---	---	---	131	122	127	165	155	161	193	165	175
30	---	---	---	135	126	131	175	156	165	183	165	169
31	---	---	---	134	125	129	---	---	---	198	171	178
MONTH	167	111	149	192	120	150	---	---	---	200	133	159

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	192	162	173	198	164	182	242	199	227	324	224	271
2	192	167	178	193	171	182	249	203	234	261	180	224
3	226	175	198	200	173	184	245	203	236	218	172	---
4	229	194	209	201	173	189	252	209	241	---	---	---
5	215	194	201	235	180	201	298	218	247	---	---	---
6	195	177	184	232	187	204	255	202	234	---	---	---
7	177	166	172	234	196	207	271	218	240	---	---	---
8	165	147	---	250	176	205	275	202	234	---	---	---
9	---	---	---	241	177	205	268	200	225	---	---	---
10	---	---	---	218	178	200	264	183	222	---	---	---
11	---	---	---	---	---	---	275	212	245	---	---	---
12	---	---	---	---	---	---	377	228	274	---	---	---
13	---	---	---	---	---	---	328	259	287	---	---	---
14	---	---	---	151	127	140	327	247	287	---	---	---
15	---	---	---	162	138	148	332	240	278	---	---	---
16	---	---	---	172	152	164	296	201	265	---	---	---
17	---	---	---	181	171	175	305	211	270	---	---	---
18	---	---	---	184	179	181	335	227	286	---	---	---
19	---	---	---	201	183	191	432	209	275	---	---	---
20	---	---	---	204	164	195	345	207	275	---	---	---
21	---	---	---	161	142	152	332	248	270	---	---	---
22	---	---	---	206	161	185	363	250	281	---	---	---
23	209	173	---	212	190	204	360	231	276	---	---	---
24	217	165	181	215	187	195	369	262	291	---	---	---
25	198	169	183	204	178	190	360	265	305	---	---	---
26	195	167	181	190	155	181	309	242	267	---	---	---
27	201	158	190	202	165	187	293	212	265	---	---	---
28	215	167	195	209	177	197	427	210	264	---	---	---
29	192	152	179	220	187	206	403	212	274	---	---	---
30	207	178	188	234	172	216	290	240	255	---	---	---
31	---	---	---	239	196	223	278	219	254	---	---	---
MONTH	---	---	---	250	127	189	432	183	261	---	---	---

01464040 DELAWARE RIVER AT MARINE TERMINAL, TRENTON, N.J.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.5	15.5	16.0	14.5	12.5	13.0	4.0	3.5	3.5	4.0	3.5	3.5
2	15.5	14.0	14.5	15.5	13.5	14.5	4.5	4.0	4.0	3.5	3.0	3.0
3	13.5	12.5	13.0	15.5	14.0	14.5	4.5	4.0	4.0	2.5	2.0	2.5
4	13.0	11.5	12.5	15.5	14.0	15.0	3.5	2.5	3.0	3.5	2.5	3.0
5	13.0	12.0	12.5	16.0	15.0	15.5	3.5	1.5	2.5	3.5	3.0	3.5
6	14.0	12.5	13.5	16.0	14.5	15.0	4.0	2.0	3.0	3.5	2.5	3.0
7	15.0	13.0	14.0	15.0	13.5	14.5	4.0	2.5	3.5	4.5	3.5	3.5
8	15.0	13.0	14.0	13.5	12.0	13.0	7.0	4.0	6.0	4.0	3.0	3.5
9	15.0	13.0	14.0	13.5	11.0	12.0	7.0	5.5	6.5	5.5	4.0	5.0
10	15.5	13.0	14.0	12.5	10.5	11.5	5.5	4.0	4.5	5.5	4.5	5.0
11	16.0	13.5	14.5	12.0	10.0	11.0	4.0	3.5	4.0	6.0	5.0	5.5
12	16.0	14.0	15.0	12.0	10.5	11.0	---	---	---	6.0	5.5	6.0
13	16.0	15.0	15.5	12.0	10.5	11.5	---	---	---	6.0	4.0	5.5
14	15.5	14.5	15.0	10.5	9.5	10.0	---	---	---	4.0	3.0	3.5
15	16.5	15.0	15.5	10.0	8.0	9.0	---	---	---	2.5	1.5	2.0
16	16.0	14.0	15.0	8.0	7.0	7.5	---	---	---	1.5	1.0	1.5
17	14.5	13.0	14.0	7.5	6.5	7.0	---	---	---	1.0	0.0	0.5
18	14.0	12.5	13.5	7.0	6.5	6.5	---	---	---	1.5	0.5	1.0
19	13.0	11.0	12.0	7.5	6.5	7.0	---	---	---	3.0	1.0	1.5
20	11.5	9.5	10.5	8.0	7.0	7.5	---	---	---	3.0	1.5	2.0
21	10.5	8.0	9.0	7.5	7.0	7.0	---	---	---	1.5	0.5	1.0
22	10.0	8.0	9.0	7.0	6.0	6.5	---	---	---	2.0	1.0	1.5
23	10.5	8.5	9.5	6.5	5.5	6.0	4.5	4.0	---	3.0	1.5	2.0
24	11.0	9.0	9.5	6.5	5.5	6.0	4.5	4.0	4.5	3.0	2.0	2.5
25	11.0	9.5	10.0	6.5	5.5	6.0	4.5	4.0	4.5	4.0	3.0	3.5
26	12.0	9.5	10.5	5.5	3.5	4.5	4.0	3.5	4.0	3.5	3.5	3.5
27	12.5	10.0	11.0	4.5	3.0	3.5	4.0	3.5	3.5	3.5	3.0	3.5
28	12.0	10.0	11.0	4.0	3.5	4.0	4.0	3.5	3.5	3.5	3.0	3.0
29	12.5	10.5	11.5	4.0	3.5	4.0	4.0	3.0	3.5	4.0	3.0	3.5
30	12.5	11.5	12.0	4.0	2.5	3.5	4.5	3.5	4.0	4.0	3.5	4.0
31	13.5	12.0	12.5	---	---	---	4.0	3.5	3.5	4.0	3.5	4.0
MONTH	16.5	8.0	12.5	16.0	2.5	9.5	---	---	---	6.0	0.0	3.0

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.5	2.5	3.0	5.0	3.5	4.0	7.5	6.0	6.5	14.0	13.0	13.5
2	3.5	2.0	3.0	4.5	3.5	4.0	8.5	7.0	7.5	13.5	12.5	13.0
3	3.0	2.0	2.5	3.5	3.0	3.5	9.0	8.0	8.5	15.5	13.0	14.0
4	2.5	1.5	2.0	3.5	3.0	3.5	---	---	---	15.0	13.5	14.5
5	2.0	1.5	1.5	4.0	2.5	3.5	---	---	---	14.5	12.5	13.5
6	2.5	1.5	2.0	5.0	3.0	4.0	---	---	---	14.5	13.5	14.0
7	3.5	2.5	3.0	5.5	4.0	5.0	---	---	---	15.5	13.5	14.5
8	3.0	2.0	2.5	6.0	5.5	5.5	---	---	---	16.0	13.5	15.0
9	2.5	1.0	2.0	5.5	4.0	5.0	---	---	---	16.0	14.5	15.5
10	2.0	1.0	1.5	4.0	3.5	4.0	---	---	---	16.0	15.0	15.5
11	1.5	1.0	1.5	5.0	3.5	4.5	---	---	---	17.5	15.0	16.5
12	1.5	0.5	1.0	5.5	4.5	5.0	---	---	---	18.0	16.0	17.0
13	1.0	0.5	1.0	6.5	5.0	6.0	---	---	---	18.0	17.5	17.5
14	1.5	1.0	1.0	6.0	5.0	5.5	9.5	9.0	---	18.5	17.0	17.5
15	2.0	1.0	1.5	6.0	4.0	5.0	9.5	8.5	9.0	18.0	17.0	17.5
16	3.0	2.0	2.5	5.5	4.5	5.5	10.0	8.0	9.5	18.5	17.5	18.0
17	3.5	3.0	3.5	7.0	5.5	6.0	12.0	9.5	10.5	19.0	17.5	18.0
18	4.0	3.5	4.0	7.0	6.0	7.0	12.0	11.0	11.5	18.5	18.0	18.0
19	5.5	4.0	4.5	9.0	7.0	8.0	13.0	11.5	12.5	20.0	17.5	19.0
20	5.5	4.0	4.5	9.0	8.0	8.5	13.0	12.0	12.5	21.5	18.5	20.0
21	5.5	4.0	4.5	7.5	6.0	7.0	12.5	11.5	12.0	22.0	20.5	21.0
22	6.0	4.0	5.0	6.5	5.5	6.0	13.0	11.5	---	23.0	21.0	22.0
23	6.0	5.5	6.0	7.0	5.5	6.5	13.5	11.5	12.5	23.5	21.5	22.5
24	6.5	6.0	6.5	7.0	6.5	6.5	14.0	12.5	13.0	24.5	22.5	23.5
25	6.5	4.0	5.5	7.5	7.0	7.0	14.5	13.5	14.0	24.5	21.5	23.0
26	4.0	3.5	3.5	7.5	7.0	7.0	14.5	13.0	14.0	22.0	21.0	21.5
27	4.0	3.5	4.0	6.5	5.5	6.0	14.5	12.5	13.5	23.0	21.0	22.0
28	4.5	3.0	4.0	6.0	5.0	5.5	14.5	13.0	13.5	23.5	21.5	22.5
29	---	---	---	6.0	5.5	5.5	14.0	13.0	13.5	24.0	22.5	23.0
30	---	---	---	6.5	5.5	6.0	14.5	12.0	13.0	23.5	23.0	23.0
31	---	---	---	6.5	5.5	6.0	---	---	---	24.0	22.5	23.0
MONTH	6.5	0.5	3.0	9.0	2.5	5.5	---	---	---	24.5	12.5	18.5

DELAWARE RIVER BASIN

01464040 DELAWARE RIVER AT MARINE TERMINAL, TRENTON, N.J.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	23.0	23.0	29.5	27.5	28.5	28.0	24.5	26.0	24.5	23.5	24.0
2	24.0	22.5	23.5	29.5	28.0	28.5	30.0	26.0	27.5	24.5	23.5	24.0
3	24.5	23.0	23.5	29.5	28.0	29.0	30.5	27.0	29.0	24.5	23.0	---
4	24.0	22.5	23.5	28.5	27.5	28.0	30.5	28.0	29.0	---	---	---
5	23.0	22.5	23.0	30.0	27.5	29.0	30.0	26.5	28.0	---	---	---
6	22.5	21.0	21.5	31.5	29.0	30.0	29.0	24.5	27.0	---	---	---
7	21.5	19.0	20.0	32.0	29.0	30.0	25.5	22.5	23.5	---	---	---
8	19.0	18.0	---	31.5	29.5	30.5	23.0	21.5	22.5	---	---	---
9	---	---	---	32.0	30.0	30.5	23.5	22.0	23.0	---	---	---
10	---	---	---	30.0	29.0	29.5	24.5	23.0	23.5	---	---	---
11	---	---	---	---	---	---	27.5	23.5	25.0	---	---	---
12	---	---	---	---	---	---	29.5	26.0	27.0	---	---	---
13	---	---	---	---	---	---	30.0	26.5	28.0	---	---	---
14	---	---	---	27.0	26.0	26.5	30.5	26.0	28.5	---	---	---
15	---	---	---	28.0	26.5	27.0	30.5	27.5	28.5	---	---	---
16	---	---	---	28.0	22.0	25.0	28.5	26.0	27.0	---	---	---
17	---	---	---	24.0	22.5	23.0	26.0	25.5	25.5	---	---	---
18	---	---	---	24.5	23.0	24.0	28.0	25.0	26.0	---	---	---
19	---	---	---	25.0	24.0	24.5	28.0	25.5	26.5	---	---	---
20	---	---	---	25.0	24.0	24.5	28.5	25.5	26.5	---	---	---
21	---	---	---	24.0	23.0	23.5	27.5	25.5	26.5	---	---	---
22	---	---	---	24.5	23.0	23.5	28.0	25.5	26.5	---	---	---
23	29.5	28.5	---	25.5	23.5	24.5	27.5	25.5	26.5	---	---	---
24	31.5	28.5	29.5	27.0	24.5	25.5	26.5	25.0	26.0	---	---	---
25	32.0	29.5	30.5	26.0	23.5	24.5	28.0	25.5	26.5	---	---	---
26	29.5	28.5	29.0	23.0	21.5	22.5	28.5	26.5	27.5	---	---	---
27	28.5	27.5	28.0	23.0	21.5	22.5	29.5	26.0	27.5	---	---	---
28	28.5	27.0	27.5	23.5	22.0	23.0	29.0	26.0	27.5	---	---	---
29	28.0	26.5	27.5	24.5	22.5	23.5	29.0	26.5	27.5	---	---	---
30	29.0	27.0	28.0	25.0	23.5	24.0	27.0	26.0	26.5	---	---	---
31	---	---	---	26.5	24.0	25.0	26.5	24.5	25.0	---	---	---
MONTH	---	---	---	32.0	21.5	26.0	30.5	21.5	26.5	---	---	---

01464600 DELAWARE RIVER AT BRISTOL, PA.-BURLINGTON, N.J. BRIDGE

LOCATION.--Lat 40°04'55", long 74°51'58", Bucks County, at center of river 1,300 ft (396 m) upstream from bridge on a line from the Pennsylvania bank through channel station -79.2 to Lehigh range light on New Jersey bank.

DRAINAGE AREA.--7,163 mi^2 (18,508 km^2).

PERIOD OF RECORD.--Chemical analyses: August 1949 to September 1975.
Water temperatures: October 1954 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 302 micromhos Oct. 28; minimum, 107 micromhos Dec. 11.
Dissolved oxygen: Maximum, 13.5 mg/l Feb. 15, 16; minimum, 5.9 mg/l May 19.
pH: Maximum, 8.9 April 19; minimum 5.8 Oct. 18, 20.
Water temperatures: Maximum, 25.5°C June 2; minimum, 0.5°C Jan. 17-19.

Period of record:
Specific conductance (1968-75): Maximum, 397 micromhos Nov. 1, 1970; minimum, 54 micromhos June 5, 1968.
Dissolved oxygen (1962-75): Maximum, 16.0 mg/l Jan. 12, 1974; minimum, 0.0 mg/l on several days in 1963, 1965, and 1967.
pH (1968-75): Maximum, 8.9 April 19, 1975; minimum, 4.1 Dec. 26, 1972 and Mar. 7, 1973.
Water temperatures: Maximum, 31.0°C July 9, 1966; minimum, freezing point on many days during winter periods.

REMARKS.--No continuous records for dissolved oxygen available June to September. Water quality recorder located at raw-water intake of Bristol Filtration Plant, 1.2 mi (1.9 km) upstream from sampling site. Samples collected approximately 5 to 15 ft (2 to 5 m) from bottom. Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1809-O.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.												
17...	1310	2.2	110	110	17	6.2	6.0	2.1	49	40	28	11
NOV.												
14...	1215	2.7	80	100	18	7.2	11	2.0	52	43	30	14
DEC.												
05...	1500	4.2	220	70	15	5.2	7.0	1.8	38	31	24	8.9
JAN.												
09...	1330	5.1	50	90	15	5.1	8.0	1.3	44	36	26	11
FEB.												
06...	1325	4.7	100	60	16	4.4	7.3	1.0	34	28	21	10
MAR.												
13...	1345	4.4	80	80	14	4.9	6.5	1.6	41	34	24	11
APR.												
03...	1317	4.0	90	70	11	4.1	5.1	1.2	32	26	18	7.9
MAY												
08...	1240	3.1	90	60	14	4.3	5.9	1.3	37	30	22	8.5
JUNE												
05...	1330	5.0	100	60	18	4.2	7.1	2.0	41	34	23	9.9
JULY												
10...	1300	4.7	20	40	37	7.6	7.3	2.0	108	89	24	10
AUG.												
21...	1300	3.6	80	10	23	8.5	10	2.2	66	54	31	11
SEP.												
11...	1330	3.5	40	30	25	7.4	8.1	2.1	59	48	25	9.8

01464600 DELAWARE RIVER AT BRISTOL, PA.-BURLINGTON, N.J. BRIDGE--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT.											
17...	.2	.84	.05	.89	1.7	116	106	68	28	192	16.0
NOV.											
14...	.1	1.0	.07	1.1	.51	127	117	75	32	230	12.0
DEC.											
05...	.1	.89	.02	.91	.66	98	91	59	28	162	4.0
JAN.											
09...	.1	.96	.04	1.0	.69	92	100	58	22	182	3.5
FEB.											
06...	.2	--	.04	--	.09	100	--	58	30	154	1.0
MAR.											
13...	.2	.84	.02	.86	.05	100	91	55	22	161	5.5
APR.											
03...	.0	.68	.02	.70	1.3	72	74	44	18	134	8.0
MAY											
08...	.1	.59	.04	.63	.02	89	80	53	22	146	15.0
JUNE											
05...	.0	1.1	.07	1.2	.08	107	95	62	29	169	22.5
JULY											
10...	.0	1.1	.14	1.2	.06	124	151	120	35	179	27.0
AUG.											
21...	.1	1.3	.14	1.4	.07	149	128	92	38	235	26.0
SEP.											
11...	.2	1.7	.13	1.8	.71	147	120	93	45	203	21.0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	193	173	185	259	252	255	182	176	179	211	201	205
2	192	159	176	263	254	258	187	177	181	219	199	214
3	154	136	143	269	249	260	206	186	199	219	215	217
4	140	134	136	268	261	264	211	203	205	225	215	219
5	145	136	140	268	253	263	219	208	214	229	223	225
6	155	141	145	269	262	265	221	215	217	235	226	228
7	161	147	154	275	261	265	215	204	210	233	225	230
8	171	158	165	268	253	264	211	201	205	248	228	238
9	182	171	177	269	264	266	209	180	202	258	247	250
10	193	181	188	272	265	268	173	111	128	266	235	255
11	204	191	198	275	257	269	115	107	112	246	229	241
12	209	198	205	272	257	263	126	113	119	229	192	206
13	224	206	213	264	242	254	133	121	128	191	165	182
14	249	200	218	255	237	244	140	131	135	169	149	155
15	227	200	221	240	230	235	148	138	141	169	153	156
16	225	200	218	234	177	206	156	144	148	167	154	160
17	220	213	216	178	154	164	160	153	157	179	164	170
18	217	208	213	158	153	155	182	158	171	182	172	176
19	218	213	215	159	152	155	180	171	175	188	180	183
20	231	213	222	161	154	157	177	172	175	209	183	195
21	233	224	230	175	158	163	180	174	177	218	210	215
22	287	229	270	177	168	173	190	180	184	244	219	230
23	281	240	274	188	174	178	202	179	188	239	230	235
24	275	266	271	181	173	177	194	187	190	247	237	241
25	283	270	274	175	165	170	199	189	194	283	240	253
26	288	274	280	171	160	163	205	195	200	261	243	252
27	290	276	283	170	161	165	201	198	200	259	240	248
28	302	280	288	185	167	172	207	198	201	252	211	230
29	294	274	288	182	175	177	206	200	204	212	193	200
30	295	279	287	179	176	177	211	202	205	212	190	194
31	280	251	271	---	---	---	205	200	202	206	192	200
MONTH	302	134	218	275	152	215	221	107	179	283	149	213

DELAWARE RIVER BASIN

01464600 DELAWARE RIVER AT BRISTOL, PA.-BURLINGTON, N.J. BRIDGE--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	205	187	195	155	147	151	176	164	171	200	192	196
2	195	177	184	164	156	160	177	170	173	220	194	203
3	194	181	184	177	163	169	173	167	170	205	199	202
4	191	179	188	179	164	171	181	159	175	213	201	203
5	208	183	194	189	169	177	179	139	157	213	201	206
6	200	179	191	190	179	185	142	132	136	207	193	199
7	214	192	200	207	190	198	141	132	136	196	171	185
8	226	204	212	216	202	210	157	138	146	177	140	164
9	229	216	221	231	212	218	159	148	154	158	140	153
10	228	209	217	227	194	208	168	156	161	147	133	138
11	216	207	211	203	195	199	178	163	166	144	132	135
12	214	205	209	218	198	202	179	169	172	149	138	141
13	228	211	218	217	202	210	180	174	177	153	144	147
14	235	222	227	220	211	214	186	178	181	157	148	153
15	227	221	224	232	213	217	196	181	185	158	143	152
16	236	223	229	219	213	217	192	179	186	145	133	139
17	237	228	232	224	214	217	187	176	181	142	133	135
18	244	229	234	235	219	227	184	170	176	137	133	135
19	256	227	233	231	221	226	180	172	175	137	131	134
20	247	232	235	226	168	200	175	167	171	141	135	136
21	248	226	231	201	163	184	170	163	166	144	137	141
22	232	223	227	160	127	137	169	163	165	149	143	147
23	233	218	224	134	129	132	170	165	166	153	145	149
24	245	220	225	153	131	136	167	161	165	169	152	158
25	231	172	206	153	139	146	168	157	163	175	158	---
26	143	136	---	174	146	152	166	157	161	---	---	---
27	140	132	136	154	145	148	163	156	160	---	---	---
28	150	138	143	157	144	148	171	157	162	---	---	---
29	---	---	---	150	143	145	192	171	183	---	---	---
30	---	---	---	157	145	150	209	180	192	177	159	---
31	---	---	---	178	155	162	---	---	---	169	163	167
MONTH	256	132	209	235	127	181	209	132	168	220	131	161

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	183	163	170									
2	---	---	---									
3	---	---	---									
4	---	---	---									
5	---	---	---									
6	---	---	---									
7	---	---	---									
8	---	---	---									
9	---	---	---									
10	---	---	---									
11	---	---	---									
12	---	---	---									
13	---	---	---									
14	---	---	---									
15	---	---	---									
16	---	---	---									
17	---	---	---									
18	---	---	---									
19	---	---	---									
20	---	---	---									
21	---	---	---									
22	---	---	---									
23	---	---	---									
24	---	---	---									
25	---	---	---									
26	---	---	---									
27	---	---	---									
28	---	---	---									
29	---	---	---									
30	---	---	---									
31	---	---	---									
MONTH	---	---	---									

DELAWARE RIVER BASIN

01464600 DELAWARE RIVER AT BRISTOL, PA.-BURLINGTON, N.J. BRIDGE--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	6.6	6.9	9.1	8.4	8.6	12.2	11.9	12.1	12.6	12.0	12.4
2	8.4	7.2	7.9	8.6	8.1	8.4	12.2	12.0	12.1	13.0	12.0	12.4
3	8.7	8.2	8.5	8.3	7.7	8.0	12.2	11.8	12.0	12.6	12.0	12.4
4	9.0	8.5	8.7	8.0	7.5	7.8	11.9	11.5	11.7	12.5	12.0	12.4
5	9.3	8.6	8.9	7.8	7.2	7.5	11.7	11.4	11.5	12.6	12.3	12.5
6	9.4	8.7	9.1	7.3	6.7	7.0	12.0	11.4	11.7	12.5	12.3	12.4
7	9.4	8.8	9.1	6.9	6.5	6.7	12.2	11.8	12.0	12.4	12.2	12.3
8	9.4	8.4	8.9	6.8	6.5	6.6	12.2	11.8	12.0	12.4	12.3	---
9	8.7	8.2	8.5	6.9	6.4	6.6	12.0	10.5	11.3	11.8	11.5	---
10	8.4	8.0	8.2	7.2	6.4	6.7	11.6	10.6	11.2	11.6	11.4	---
11	8.3	7.9	8.1	7.6	6.8	7.0	11.9	11.4	11.7	11.4	10.8	---
12	8.3	7.7	8.0	7.7	6.7	7.3	12.0	11.8	11.9	11.4	11.1	11.2
13	8.4	7.6	8.0	9.0	7.1	8.0	12.0	11.9	12.0	12.0	11.1	11.6
14	8.3	7.6	7.9	9.6	7.9	9.2	12.0	11.4	11.8	12.2	11.8	12.0
15	8.0	7.4	7.7	10.5	9.5	9.9	11.8	11.6	11.8	12.9	12.3	12.5
16	8.1	7.4	7.7	10.9	10.2	10.5	11.8	11.5	11.7	12.9	11.9	12.3
17	7.7	7.3	7.5	10.6	9.9	10.2	11.6	11.0	11.4	13.0	12.2	12.7
18	7.6	7.3	7.5	10.7	10.2	10.5	11.4	10.9	11.3	13.1	12.4	12.8
19	7.6	7.1	7.3	10.8	8.6	10.1	11.8	11.4	11.6	13.0	12.0	12.5
20	8.1	7.1	7.5	10.1	9.9	10.0	12.0	11.7	11.9	12.7	11.9	12.5
21	8.8	7.9	8.3	10.4	9.7	10.1	12.1	11.9	12.0	12.5	11.9	12.3
22	9.5	8.5	8.8	10.2	9.5	10.0	12.0	11.8	11.9	13.0	11.9	12.7
23	9.7	8.8	9.2	9.9	9.6	9.8	11.9	11.6	11.8	13.1	12.9	13.0
24	9.8	8.8	9.4	10.4	9.9	10.2	12.0	11.6	11.8	13.0	12.8	12.9
25	9.9	9.1	9.6	11.2	10.4	10.7	11.9	11.7	11.8	12.9	12.6	12.8
26	10.1	9.5	9.8	11.6	10.8	11.2	11.8	11.6	11.7	12.7	12.1	12.5
27	9.8	9.4	9.6	11.7	11.5	11.5	11.7	11.5	11.6	12.3	12.0	12.2
28	9.7	9.1	9.4	11.9	11.5	11.6	11.8	11.5	11.7	12.3	11.8	12.0
29	9.4	8.8	9.1	12.1	11.6	11.9	11.7	11.6	11.7	12.2	11.9	12.0
30	9.4	8.7	9.1	12.1	11.9	12.0	11.7	11.5	11.6	12.1	11.8	12.0
31	9.4	8.6	9.0	---	---	---	12.6	11.6	12.2	11.9	11.7	11.8
MONTH	10.1	6.6	8.5	12.1	6.0	9.2	12.6	10.5	11.8	13.1	10.8	12.3

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.1	11.8	12.0	12.3	12.1	12.1	12.0	11.5	11.9	9.8	9.3	9.6
2	12.4	12.0	12.2	12.2	11.9	12.1	11.8	11.5	11.7	10.0	9.3	9.6
3	12.6	12.0	12.4	12.1	11.7	12.0	11.6	11.0	11.3	9.9	9.2	9.5
4	12.7	12.3	12.5	12.5	11.6	12.2	11.0	9.9	10.7	9.4	8.8	9.1
5	13.1	12.4	12.7	12.8	11.9	12.7	11.7	10.9	11.4	10.1	9.0	9.4
6	13.1	12.9	13.0	12.8	12.5	12.6	12.1	11.7	11.9	9.0	8.3	8.6
7	13.0	12.8	12.9	12.6	12.4	12.5	12.1	11.9	12.0	8.9	8.5	8.7
8	12.9	12.5	12.7	12.5	12.0	12.2	12.2	11.7	12.0	9.0	8.3	8.7
9	12.8	12.5	12.6	---	---	---	11.9	11.5	11.8	9.0	8.4	8.7
10	12.7	12.5	12.6	12.0	11.7	---	11.8	9.9	11.6	9.0	8.4	8.7
11	13.0	12.6	12.8	12.6	11.7	11.9	11.5	11.2	11.4	8.8	7.9	8.5
12	13.3	12.9	13.1	12.5	11.8	12.0	11.4	11.1	11.2	9.2	8.4	8.8
13	13.3	13.1	13.2	12.0	11.7	11.9	11.2	10.7	11.0	9.1	8.5	8.7
14	13.4	13.0	13.3	11.8	11.5	11.7	10.9	10.8	10.9	8.5	7.8	8.2
15	13.5	13.3	13.4	11.6	11.4	---	11.0	10.7	10.9	8.0	7.7	7.8
16	13.5	13.3	13.4	11.6	11.4	11.5	11.0	10.5	10.8	8.3	7.7	8.0
17	13.4	13.2	13.4	12.1	11.5	11.8	10.6	10.3	10.5	8.2	7.5	7.8
18	13.4	12.6	13.0	12.2	11.9	12.0	10.7	10.3	10.5	8.2	7.5	7.8
19	12.7	12.3	12.5	12.0	11.7	11.8	10.5	10.0	10.3	8.2	5.9	7.7
20	12.9	12.1	12.3	11.7	10.7	11.1	10.0	9.6	9.9	8.7	7.5	8.1
21	12.1	11.9	12.0	11.2	10.7	10.9	9.7	9.4	9.6	8.3	7.6	7.9
22	12.2	12.0	12.1	11.8	11.1	11.5	10.1	9.3	9.8	8.2	7.2	7.6
23	12.3	12.1	12.2	11.7	11.5	11.6	10.5	9.6	10.1	8.2	7.1	7.5
24	12.3	11.0	11.8	11.7	11.5	11.6	10.6	9.9	10.2	8.2	7.1	7.6
25	11.4	10.8	11.2	11.6	11.2	11.4	10.4	9.7	10.1	7.7	7.1	7.4
26	12.1	11.8	11.9	11.6	10.6	11.3	10.0	9.0	9.4	7.0	6.7	6.9
27	12.3	12.0	12.1	11.8	11.5	11.7	9.1	8.5	8.8	7.3	6.4	6.8
28	12.2	11.9	12.1	12.2	11.9	12.1	8.9	8.4	8.6	7.8	6.6	7.3
29	---	---	---	12.4	12.2	12.3	10.0	8.5	9.5	8.2	7.0	7.6
30	---	---	---	12.2	12.1	12.2	10.1	9.5	9.9	7.8	7.0	---
31	---	---	---	12.1	11.8	12.0	---	---	---	---	---	---
MONTH	13.5	10.8	12.6	12.8	10.6	11.9	12.2	8.4	10.7	10.1	5.9	8.2

01464600 DELAWARE RIVER AT BRISTOL, PA.-BURLINGTON, N.J. BRIDGE--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.7	6.4	6.6	6.9	6.7	6.8	6.9	6.7	6.8	6.9	6.9	6.9
2	6.8	6.0	6.7	6.8	6.7	6.7	6.9	6.8	6.8	7.0	6.0	6.9
3	6.7	6.6	6.6	6.8	6.5	6.7	6.9	6.8	6.9	7.0	6.8	6.9
4	6.6	6.4	6.6	6.7	6.5	6.7	6.8	6.7	6.8	6.9	6.9	6.9
5	6.7	6.6	6.6	6.7	6.6	6.6	6.8	6.8	6.8	7.1	6.0	6.9
6	6.7	6.5	6.6	6.7	6.4	6.6	6.8	6.8	6.8	7.0	6.9	6.9
7	6.7	6.4	6.6	6.6	6.5	6.6	7.0	6.8	6.8	7.0	6.9	7.0
8	6.7	6.6	6.7	6.6	6.4	6.6	7.3	6.9	---	7.0	7.0	---
9	6.8	6.7	6.7	6.6	6.5	6.6	6.9	6.7	6.8	---	---	---
10	6.8	6.5	6.8	6.7	6.4	6.6	6.7	6.1	6.4	---	---	---
11	6.9	6.5	6.8	6.7	6.4	6.7	6.4	6.0	6.3	---	---	---
12	6.8	6.5	6.8	6.9	6.6	6.8	6.5	6.2	6.4	7.3	7.0	---
13	6.9	6.8	6.8	6.9	6.8	6.8	6.5	6.4	6.5	7.1	6.2	6.8
14	6.9	6.8	6.8	6.9	6.6	6.9	6.6	6.5	6.5	6.4	6.3	6.3
15	6.9	6.6	6.8	6.9	6.6	6.9	6.6	6.3	6.5	6.4	6.3	6.3
16	7.1	6.0	6.5	6.9	6.8	6.9	7.2	6.6	6.9	6.4	6.2	6.4
17	6.1	6.0	6.0	6.8	6.5	6.8	7.1	6.5	6.8	6.5	6.2	6.4
18	6.0	5.8	6.0	6.8	6.5	6.7	6.6	6.4	6.6	6.5	6.4	6.5
19	6.0	5.9	5.9	6.8	6.5	6.7	6.6	6.3	6.6	6.5	6.5	6.5
20	6.1	5.8	6.0	7.0	6.4	6.7	6.6	6.6	6.6	6.5	6.4	6.5
21	6.2	6.0	6.1	6.8	6.5	6.8	6.6	6.4	6.6	6.5	6.5	6.5
22	6.9	6.1	6.7	6.9	6.5	6.8	6.7	6.4	6.6	6.8	6.5	6.7
23	6.9	6.9	6.9	6.9	6.6	6.9	6.7	6.6	6.6	6.8	6.7	6.7
24	6.9	6.9	6.9	7.0	6.9	7.0	6.8	6.4	6.7	6.7	6.7	6.7
25	7.0	6.9	6.9	7.0	6.5	6.9	6.8	6.7	6.8	6.8	6.5	6.7
26	6.9	6.7	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.8	6.7	6.8
27	6.9	6.8	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.7	6.8
28	6.9	6.8	6.9	6.7	6.5	6.7	6.8	6.5	6.7	6.8	6.8	6.8
29	6.9	6.7	6.8	6.8	6.5	6.7	6.7	6.7	6.7	6.8	6.7	6.8
30	6.9	6.7	6.8	6.8	6.7	6.8	7.0	6.0	6.8	6.7	6.6	6.7
31	7.0	6.8	6.9	---	---	---	6.9	6.7	6.8	6.7	6.7	6.7
MONTH	7.1	5.8	6.6	7.0	6.4	6.7	7.3	6.0	6.7	7.3	6.0	6.7

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.7	6.7	6.5	6.4	6.5	7.1	6.7	6.9	7.0	6.9	7.0
2	6.7	6.7	6.7	6.6	6.4	6.5	6.7	6.4	6.6	7.0	6.9	6.9
3	6.7	6.6	6.7	6.7	6.4	6.6	7.4	6.4	6.7	7.0	6.9	6.9
4	6.8	6.7	6.7	7.2	6.5	6.7	6.7	6.5	6.6	6.9	6.6	6.8
5	6.8	6.7	6.8	6.7	6.5	6.7	6.7	6.4	6.5	7.1	6.8	7.0
6	6.8	6.6	6.7	6.8	6.7	6.7	6.5	6.4	6.4	7.0	6.8	6.8
7	6.8	6.5	6.7	6.8	6.7	6.6	6.5	6.4	6.5	7.0	6.7	6.8
8	6.8	6.6	6.8	6.8	6.8	6.8	6.6	6.4	6.6	6.7	6.6	6.6
9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.6	6.7	6.6	6.5	6.6
10	6.8	6.7	6.8	6.9	6.7	6.8	6.8	6.5	6.7	6.6	6.4	6.5
11	6.8	6.7	6.8	6.9	6.8	6.8	6.8	6.7	6.7	6.5	6.4	6.4
12	6.9	6.8	6.8	6.9	6.8	6.9	6.8	6.7	6.8	6.6	6.3	6.5
13	6.9	6.8	6.8	6.9	6.8	6.8	6.8	6.7	6.8	6.6	6.5	6.5
14	6.9	6.8	6.9	7.2	6.9	7.0	6.9	6.8	6.8	6.6	6.5	6.6
15	6.9	6.8	6.9	7.3	7.1	7.2	7.1	6.8	6.9	6.5	6.5	6.5
16	6.9	6.8	6.9	7.5	7.1	7.4	6.9	6.8	6.9	6.6	6.4	6.4
17	6.9	6.9	6.9	7.7	7.5	7.6	6.8	6.7	6.8	6.5	6.3	6.4
18	7.1	6.9	6.9	7.7	7.6	7.6	6.9	6.7	6.9	6.6	6.3	6.4
19	7.0	6.9	6.9	7.8	7.6	7.7	8.9	6.9	7.2	6.6	6.3	6.4
20	7.0	6.9	6.9	7.8	7.4	7.6	6.9	6.9	6.9	6.6	6.4	6.5
21	6.9	6.8	6.9	7.6	7.3	7.5	6.9	6.8	6.9	6.6	6.5	6.6
22	6.9	6.8	6.9	7.3	7.1	7.2	7.0	6.8	6.9	6.7	6.4	6.6
23	6.9	6.9	6.9	7.2	7.1	7.2	7.2	6.9	7.0	6.7	6.5	6.6
24	7.0	6.9	---	7.3	6.8	7.1	7.3	7.0	7.2	6.8	6.6	6.6
25	---	---	---	7.1	6.8	6.9	7.3	7.0	7.2	6.8	6.5	6.7
26	6.4	6.3	---	7.0	6.6	6.8	7.1	6.7	6.9	6.7	6.6	6.6
27	6.4	6.0	6.3	6.9	6.9	6.9	6.7	6.6	6.6	6.7	6.6	6.6
28	6.5	6.4	6.4	7.0	6.9	6.9	6.7	6.6	6.6	6.7	6.6	6.6
29	---	---	---	7.0	6.9	6.9	7.0	6.6	6.8	6.4	6.6	6.7
30	---	---	---	7.0	6.9	6.9	7.1	6.9	7.0	6.7	6.2	6.6
31	---	---	---	7.1	6.9	7.0	---	---	---	6.8	6.3	6.6
MONTH	7.1	6.0	6.8	7.8	6.4	7.0	8.9	6.4	6.8	7.1	6.2	6.6

DELAWARE RIVER BASIN

01464600 DELAWARE RIVER AT BRISTOL, PA.-BURLINGTON, N.J. BRIDGE--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.6	---									
2	6.7	6.4	6.5									
3	6.6	6.4	---									
4	---	---	---									
5	---	---	---									
6	---	---	---									
7	---	---	---									
8	---	---	---									
9	---	---	---									
10	---	---	---									
11	---	---	---									
12	---	---	---									
13	---	---	---									
14	---	---	---									
15	---	---	---									
16	---	---	---									
17	---	---	---									
18	---	---	---									
19	---	---	---									
20	---	---	---									
21	---	---	---									
22	---	---	---									
23	---	---	---									
24	---	---	---									
25	---	---	---									
26	---	---	---									
27	---	---	---									
28	---	---	---									
29	---	---	---									
30	---	---	---									
31	---	---	---									
MONTH	---	---	---									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.5	16.5	17.5	13.0	11.5	12.0	5.0	4.0	4.5	3.5	3.5	3.5
2	17.0	15.5	16.0	13.5	12.0	13.0	5.0	4.5	4.5	4.0	3.0	3.5
3	15.5	14.0	15.0	14.0	13.5	13.5	4.5	4.5	4.5	3.0	3.0	3.0
4	14.5	13.5	14.0	14.5	13.5	14.0	4.5	4.0	4.5	3.5	3.0	3.0
5	14.0	12.0	13.5	15.0	14.0	14.5	4.0	4.0	4.0	3.5	3.0	3.0
6	13.5	13.0	13.0	15.0	14.5	15.0	4.0	3.5	3.5	3.0	2.0	2.5
7	13.5	13.0	13.5	15.0	14.5	14.5	4.0	3.5	3.5	4.0	3.0	3.0
8	14.0	13.0	13.5	14.5	14.0	14.5	5.5	4.0	4.5	3.5	3.0	---
9	14.0	13.5	14.0	14.5	14.0	14.0	6.5	4.5	5.5	4.0	3.5	---
10	14.5	14.0	14.0	14.0	13.5	13.5	6.0	4.5	5.0	4.5	3.5	4.0
11	14.5	14.0	14.5	13.5	12.0	13.0	4.5	4.0	4.0	5.0	4.0	4.5
12	15.0	14.0	14.5	14.0	12.0	13.0	5.0	4.0	4.0	5.5	4.5	5.0
13	15.0	14.0	15.0	13.5	11.5	12.5	4.5	4.0	4.0	5.5	4.5	5.0
14	15.5	14.5	15.0	12.0	11.0	11.5	4.5	4.5	4.5	5.0	3.5	4.5
15	16.0	14.5	15.5	11.5	10.0	11.0	5.5	4.5	4.5	4.0	1.5	3.0
16	15.5	15.0	15.5	10.0	9.0	9.5	5.0	4.5	5.0	2.0	1.0	1.5
17	15.5	15.0	15.0	9.0	8.5	8.5	5.5	4.5	5.0	1.0	0.5	1.0
18	15.0	14.0	14.5	9.0	8.0	8.0	5.0	4.0	4.5	1.0	0.5	0.5
19	14.0	13.0	13.5	8.0	7.0	7.5	4.5	3.5	3.5	1.5	0.5	1.0
20	13.0	11.5	12.5	8.0	7.0	7.0	4.0	3.0	3.0	1.5	1.0	1.5
21	11.5	10.5	11.0	8.0	7.0	7.0	4.0	3.0	3.0	1.5	1.0	1.5
22	11.0	10.0	10.5	8.0	7.0	7.0	4.0	3.0	3.0	2.0	1.0	1.5
23	10.5	10.0	10.0	7.0	6.5	7.0	4.0	3.0	3.5	2.0	1.5	2.0
24	10.0	8.5	10.0	7.0	6.5	6.5	3.5	3.0	3.5	3.0	2.0	2.5
25	10.0	9.5	10.0	6.5	6.0	6.0	3.5	3.0	3.5	4.0	3.0	3.5
26	10.5	10.0	10.0	6.0	5.5	5.5	3.5	3.5	3.5	4.5	3.5	4.0
27	10.5	9.0	10.0	5.5	5.0	5.5	3.5	3.0	3.0	5.0	4.0	4.0
28	11.0	10.0	10.5	5.5	4.5	5.0	3.0	3.0	3.0	4.0	4.0	4.0
29	11.0	10.5	11.0	5.0	4.0	4.5	3.0	3.0	3.0	4.5	4.0	4.0
30	11.5	11.0	11.0	4.5	4.0	4.0	3.5	3.0	3.0	4.5	4.0	4.5
31	12.0	11.0	11.5	---	---	---	3.5	3.0	3.5	5.0	4.5	4.5
MONTH	18.5	9.5	13.0	15.0	4.0	10.0	6.5	3.0	4.0	5.5	0.5	3.0

01464600 DELAWARE RIVER AT BRISTOL, PA.-BURLINGTON, N.J. BRIDGE--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.5	4.0	4.5	4.5	4.0	4.0	8.0	6.5	7.0	14.5	14.0	14.0
2	4.0	3.5	4.0	4.5	4.0	4.0	9.5	8.0	8.5	14.5	14.0	14.0
3	4.0	3.5	3.5	4.0	3.5	4.0	9.5	9.0	9.5	15.0	14.0	14.5
4	4.0	3.0	3.5	3.5	3.0	3.5	9.5	7.0	8.5	15.0	14.5	14.5
5	3.0	3.0	3.0	4.0	2.0	3.0	7.0	5.5	6.0	15.0	14.5	14.5
6	3.0	3.0	3.0	4.5	3.0	3.5	6.0	4.5	5.0	14.5	14.0	14.5
7	3.5	3.0	3.0	4.5	3.5	4.0	5.5	4.0	4.5	14.5	14.0	14.5
8	4.0	3.0	3.0	5.0	4.5	5.0	6.0	4.5	5.5	15.5	14.0	15.0
9	3.5	3.0	3.5	5.0	4.5	5.0	7.0	5.5	6.5	15.5	15.0	15.5
10	3.5	3.0	3.5	5.5	4.5	4.5	8.0	6.5	7.0	16.0	15.0	15.5
11	3.5	3.0	3.0	5.0	4.5	4.5	9.0	7.0	8.5	16.0	15.0	15.5
12	3.0	2.0	2.5	5.5	4.5	4.5	9.5	8.5	9.0	17.0	15.5	16.0
13	2.0	1.5	2.0	5.5	4.5	5.0	10.0	9.0	9.5	18.0	17.0	17.5
14	1.5	1.5	1.5	5.5	5.0	5.5	10.0	9.5	10.0	19.0	17.0	18.5
15	1.5	1.0	1.5	6.0	5.0	5.5	10.0	9.0	9.5	19.0	18.0	18.5
16	3.0	1.5	2.0	5.5	5.0	5.5	10.0	9.5	9.5	19.0	18.0	18.5
17	3.5	2.0	3.0	7.0	5.5	6.0	10.0	9.5	10.0	19.5	18.0	19.0
18	4.0	3.5	4.0	7.0	6.0	6.5	11.5	10.0	10.5	19.5	17.0	18.5
19	5.5	4.5	5.0	8.5	6.5	7.5	13.0	11.0	12.0	19.5	18.0	19.0
20	6.0	5.0	5.5	10.0	8.5	9.5	13.5	12.0	13.0	20.5	18.5	19.5
21	6.0	5.5	5.5	9.5	8.5	9.0	13.5	12.0	13.0	21.0	20.0	20.5
22	6.5	5.5	6.0	8.5	6.5	7.5	13.5	12.0	13.0	22.0	20.5	21.5
23	6.5	6.0	6.0	8.0	6.5	7.0	13.5	12.0	13.0	23.5	22.0	22.5
24	8.0	6.0	6.5	8.0	7.0	8.0	14.0	13.0	13.5	24.5	21.0	23.5
25	8.0	6.0	6.5	9.0	8.0	8.5	14.5	13.5	14.0	24.0	23.5	23.5
26	4.5	4.0	4.0	9.5	8.0	8.5	15.0	14.0	14.5	23.5	23.0	23.5
27	4.5	3.5	4.0	8.0	6.5	7.5	15.0	14.5	14.5	23.5	22.0	23.0
28	4.0	4.0	4.0	8.0	6.5	6.5	14.5	14.0	14.5	23.5	22.0	23.0
29	---	---	---	7.0	6.0	6.5	14.5	14.0	14.5	24.0	23.0	23.5
30	---	---	---	8.0	6.5	6.5	15.0	14.0	14.5	23.5	23.5	23.5
31	---	---	---	8.0	6.0	6.5	---	---	---	24.0	23.5	24.0
MONTH	8.0	1.0	4.0	10.0	2.0	6.0	15.0	4.0	10.5	24.5	14.0	18.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.5	24.0									
2	25.5	23.5	24.5									
3	24.0	23.0	---									
4	---	---	---									
5	---	---	---									
6	---	---	---									
7	---	---	---									
8	---	---	---									
9	---	---	---									
10	---	---	---									
11	---	---	---									
12	---	---	---									
13	---	---	---									
14	---	---	---									
15	---	---	---									
16	---	---	---									
17	---	---	---									
18	---	---	---									
19	---	---	---									
20	---	---	---									
21	---	---	---									
22	---	---	---									
23	---	---	---									
24	---	---	---									
25	---	---	---									
26	---	---	---									
27	---	---	---									
28	---	---	---									
29	---	---	---									
30	---	---	---									
31	---	---	---									
MONTH	---	---	---									

01467030 DELAWARE RIVER AT TORRESDALE INTAKE AT PHILADELPHIA, PA.

LOCATION.--Lat 40°01'57", long 74°59'46", Philadelphia County, water-quality recorder (40°02'05", 74°59'57") located on right bank in inactive building at Torresdale Filter Plant, 1.7 mi (2.7 km) downstream from Poquessing Creek.

DRAINAGE AREA.--7,781 mi^2 (20,200 km^2).

PERIOD OF RECORD.--Chemical analyses: August 1949 to September 1975.
Water temperatures: October 1956 to September 1957, November 1960 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 576 micromhos Feb. 18; minimum, 106 micromhos Sept. 30.
Dissolved oxygen: Maximum, 15.0 mg/l Feb. 4, Mar. 6; minimum, 1.3 mg/l Oct. 18, 19.
pH: Maximum, 7.9 April 4; minimum, 6.0 Dec. 12, Mar. 3, May 25, June 3.
Water temperatures: Maximum, 28.5°C Aug. 27, 28; minimum, 0.5°C Jan. 18, 21.

Period of record:
Specific conductance (1960-75): Maximum, 609 micromhos Jan. 18, 1970; minimum, 71 micromhos July 24, 1970.
Dissolved oxygen (1961-75): Maximum, 14.5 mg/l Feb. 4-5, 1964; minimum, 0.0 mg/l on many days during 1962 and 1965.
pH (1968-75): Maximum, 8.1 Dec. 30, 1970; minimum, 4.9 Apr. 5, 1969.
Water temperatures: Maximum, 29.0°C on many days in 1956, 1963, 1966, and 1968; minimum, freezing point on many days during winter periods.

REMARKS.--Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1809-O.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT. 17...	1220	3.1	120	110	17	6.3	9.3	2.3	48	39	29	10
NOV. 14...	1135	3.1	60	40	19	7.2	12	2.2	53	43	32	15
DEC. 05...	1410	3.7	360	70	14	4.9	7.8	1.6	39	32	23	9.0
JAN. 09...	1235	5.2	70	100	22	5.8	9.5	1.4	40	33	26	11
FEB. 06...	1225	4.8	100	50	14	4.1	10	.9	32	26	28	17
MAR. 13...	1300	4.5	130	100	14	4.2	6.2	1.5	38	31	23	10
APR. 03...	1225	4.4	70	70	13	4.0	5.1	1.3	37	30	19	8.2
MAY 08...	1200	3.1	130	50	16	5.2	6.6	1.6	40	33	24	9.6
JUNE 05...	1245	3.6	110	40	19	4.0	8.2	1.9	40	33	24	11
JULY 10...	1205	4.8	170	30	19	5.5	7.5	2.1	45	37	23	11
AUG. 21...	1205	3.4	130	10	19	8.0	9.8	2.4	57	47	29	10
SEP. 11...	1220	1.2	60	0	21	7.0	8.2	2.1	56	46	26	12

01467030 DELAWARE RIVER AT TORRESDALE INTAKE, PHILADELPHIA, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT.											
17...	.2	1.0	.06	1.1	1.6	124	111	68	29	194	16.0
NOV.											
14...	.2	1.1	.08	1.2	.03	141	125	77	34	235	12.5
DEC.											
09...	.1	.84	.02	.86	.51	100	89	55	23	159	4.5
JAN.											
09...	.1	--	.26	--	.68	89	--	79	46	173	3.5
FEB.											
06...	.2	.98	.02	1.0	.05	104	92	52	26	168	1.5
MAR.											
13...	.2	.84	.02	.86	.05	98	87	52	21	155	5.0
APR.											
03...	.0	.74	.01	.75	.63	88	79	49	19	138	8.0
MAY											
08...	.1	.70	.05	.75	.94	87	98	61	29	164	14.5
JUNE											
05...	.1	.83	.07	.90	.10	110	96	64	31	171	23.0
JULY											
10...	.1	1.1	.23	1.3	.07	111	101	70	33	154	25.5
AUG.											
21...	.2	1.3	.07	1.4	.07	137	116	80	34	209	25.5
SEP.											
11...	.2	1.2	.12	1.3	.70	151	113	81	35	194	21.0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	251	226	240	357	240	253	196	181	186	291	219	242
2	240	214	226	267	243	247	227	180	190	304	230	246
3	245	209	222	272	245	251	214	184	192	289	230	244
4	230	190	211	282	248	258	228	190	196	301	199	245
5	217	178	195	387	257	270	224	194	---	309	239	253
6	217	176	187	288	260	266	---	---	---	298	240	252
7	208	176	183	298	260	267	---	---	---	307	217	247
8	220	178	188	299	261	268	---	---	---	228	216	221
9	216	183	192	283	261	267	---	---	---	222	177	212
10	244	188	196	293	261	267	184	130	---	235	213	221
11	242	192	203	290	264	268	176	107	124	288	199	228
12	228	199	207	296	251	263	205	115	130	265	200	221
13	243	205	215	282	247	253	215	124	140	267	170	200
14	274	211	221	270	248	254	209	136	150	260	154	183
15	300	216	228	254	230	243	222	144	156	252	139	166
16	246	165	219	256	219	229	305	148	175	199	140	153
17	239	168	226	250	203	222	172	135	163	204	142	155
18	248	230	235	231	174	204	269	170	184	209	145	161
19	242	230	234	225	178	197	232	175	192	200	153	168
20	270	230	235	294	171	194	226	191	201	402	172	222
21	266	230	237	271	169	185	252	191	200	282	184	205
22	264	233	242	257	167	184	262	191	205	380	193	244
23	280	240	248	227	171	182	246	197	209	390	234	265
24	282	240	253	242	175	189	246	204	215	371	237	265
25	296	245	256	239	184	196	288	209	222	482	237	273
26	294	248	254	254	189	203	269	214	227	341	239	259
27	318	244	255	233	180	198	291	214	228	289	235	250
28	288	244	252	224	174	190	261	222	229	262	228	237
29	286	244	254	228	174	186	310	223	234	306	226	240
30	295	240	254	210	178	185	270	222	232	262	206	224
31	282	200	246	---	---	---	282	225	237	259	200	215
MONTH	318	160	226	387	167	226	310	107	193	482	139	223

DELAWARE RIVER BASIN

01467030 DELAWARE RIVER AT TORRESDALE INTAKE, PHILADELPHIA, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	325	201	219	213	115	138	218	162	178	276	196	208
2	334	207	229	250	126	149	233	173	189	280	198	211
3	346	196	224	247	134	153	266	172	185	280	201	214
4	263	198	203	240	141	176	177	175	---	304	191	213
5	566	198	242	273	178	199	---	---	---	226	196	203
6	507	199	268	253	184	203	---	---	---	205	202	---
7	456	202	239	371	191	212	---	---	---	---	---	---
8	313	202	227	317	195	216	---	---	---	---	---	---
9	265	199	222	292	203	228	190	128	---	---	---	---
10	265	209	228	292	194	222	226	120	144	---	---	---
11	383	217	248	270	200	214	223	136	149	---	---	---
12	300	239	255	325	201	221	198	138	149	371	178	---
13	341	241	261	282	205	219	235	145	160	236	134	163
14	504	250	294	341	200	227	199	151	162	161	139	148
15	432	255	295	454	220	258	236	152	181	213	146	16[illegible]
16	432	259	295	310	220	242	282	186	199	243	136	159
17	432	266	302	306	225	243	263	187	200	166	128	139
18	576	270	312	341	227	---	277	191	206	191	128	138
19	407	278	303	---	---	---	312	195	215	205	128	141
20	396	272	300	---	---	---	288	198	210	205	129	149
21	341	263	286	---	---	---	251	201	212	225	147	161
22	344	262	281	308	152	---	257	201	216	207	153	165
23	313	257	275	257	136	160	253	200	213	201	157	166
24	318	252	268	313	134	165	284	203	223	208	162	172
25	284	210	238	248	147	165	228	161	206	195	169	174
26	349	118	170	201	154	163	206	162	197	206	171	179
27	224	110	132	215	153	169	210	193	199	221	179	185
28	190	110	126	243	150	170	219	194	202	215	184	192
29	---	---	---	249	151	166	242	196	207	227	189	197
30	---	---	---	261	152	174	258	196	206	223	162	183
31	---	---	---	263	156	174	---	---	---	181	163	166
MONTH	576	110	248	454	115	193	312	120	192	371	128	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	172	126	158	257	200	221	276	225	235	265	257	261
2	218	171	181	272	219	230	267	232	240	269	254	258
3	228	179	187	272	225	234	285	239	248	260	245	251
4	242	184	196	250	223	---	276	245	253	262	244	248
5	232	188	194	---	---	---	260	251	255	255	243	248
6	205	187	193	---	---	---	265	255	258	262	243	249
7	233	194	205	---	---	---	267	255	260	253	236	245
8	230	191	201	---	---	---	270	259	264	260	234	245
9	221	171	189	---	---	---	276	263	268	257	229	241
10	191	130	162	---	---	---	288	266	272	278	227	252
11	185	124	139	---	---	---	299	271	277	279	242	257
12	185	120	136	---	---	---	296	272	278	309	243	256
13	155	121	136	---	---	---	289	270	276	263	230	244
14	172	130	142	---	---	---	294	267	273	247	230	238
15	185	136	147	---	---	---	289	264	270	249	233	240
16	235	142	165	---	---	---	272	258	264	259	240	246
17	212	141	155	---	---	---	263	256	259	264	244	251
18	205	137	148	---	---	---	263	236	247	268	250	258
19	265	139	164	---	---	---	248	236	240	284	256	265
20	174	145	153	---	---	---	252	238	243	287	213	267
21	191	140	156	219	210	---	258	241	245	291	257	267
22	192	154	162	236	210	223	261	244	248	282	229	250
23	217	158	172	236	206	219	262	245	251	238	157	221
24	218	174	183	235	202	213	259	247	251	225	135	203
25	228	181	190	230	200	213	276	251	258	211	162	191
26	218	186	193	244	224	229	267	258	262	177	138	154
27	209	189	195	241	220	228	276	258	265	165	123	139
28	217	180	199	256	200	222	280	263	267	195	110	124
29	222	199	205	243	213	219	281	263	268	177	107	121
30	243	208	216	238	215	221	280	265	268	199	106	122
31	---	---	---	289	219	229	268	262	264	---	---	---
MONTH	265	120	174	---	---	---	299	225	259	309	106	227

01467030 DELAWARE RIVER AT TORRESDALE INTAKE, PHILADELPHIA, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	6.5	7.1	7.9	7.0	7.5	---	---	---	---	---	---
2	7.5	6.6	6.9	7.6	6.8	7.3	---	---	---	---	---	---
3	8.2	6.7	7.4	7.5	6.4	7.0	11.7	9.6	---	---	---	---
4	8.8	7.6	8.1	7.2	6.1	6.7	10.7	9.7	10.1	---	---	---
5	9.0	7.9	8.4	7.5	6.2	6.6	11.4	9.9	---	---	---	---
6	9.0	8.2	8.6	6.7	6.0	6.4	---	---	---	---	---	---
7	9.0	8.2	8.6	6.7	6.0	6.4	---	---	---	---	---	---
8	9.2	6.9	8.1	7.1	5.8	6.5	---	---	---	---	---	---
9	8.1	7.0	7.6	6.9	6.1	6.5	---	---	---	---	---	---
10	8.3	7.2	7.7	7.0	6.0	6.4	---	---	---	14.0	12.9	13.6
11	8.0	6.9	7.6	7.0	5.9	6.3	12.6	11.7	---	13.8	11.1	13.0
12	7.7	6.8	7.3	8.0	5.7	6.5	12.7	12.3	---	13.2	11.8	12.7
13	7.5	6.5	7.2	8.5	6.0	7.0	---	---	---	13.2	11.9	12.8
14	6.8	5.9	6.5	8.9	6.8	7.9	---	---	---	13.3	12.9	---
15	6.8	5.9	6.3	10.2	8.0	8.9	12.5	11.3	11.9	---	---	---
16	9.2	5.7	6.8	10.5	9.4	9.9	11.6	11.2	---	---	---	---
17	9.0	4.0	6.4	10.7	9.9	10.3	12.5	11.6	---	---	---	---
18	4.4	1.3	2.9	11.4	10.3	10.8	12.7	12.1	12.4	---	---	---
19	7.0	1.3	3.8	11.9	9.4	10.2	12.8	11.9	12.4	---	---	---
20	8.3	6.7	7.1	10.6	9.6	9.9	13.3	12.1	12.8	---	---	---
21	8.3	7.2	7.5	11.1	10.1	10.6	13.7	12.9	---	---	---	---
22	8.4	7.3	7.7	11.7	11.2	11.5	---	---	---	10.8	9.4	---
23	8.6	7.5	7.9	12.0	11.4	11.7	---	---	---	10.5	9.7	10.3
24	8.7	7.2	8.0	12.4	11.2	11.6	13.8	12.2	---	11.6	9.5	10.3
25	8.9	7.7	8.2	11.5	10.1	10.7	13.7	12.9	13.4	10.0	8.6	9.5
26	9.1	8.1	8.6	12.4	10.4	11.1	13.8	13.4	13.6	---	---	---
27	9.6	8.3	8.9	12.8	11.1	11.7	14.0	12.9	13.6	---	---	---
28	9.6	8.5	9.0	---	---	---	12.8	11.2	12.1	12.1	10.5	---
29	9.4	8.1	8.8	---	---	---	12.5	11.8	12.0	11.8	9.7	11.2
30	9.0	7.9	8.4	---	---	---	12.2	11.4	11.8	12.0	9.8	11.3
31	8.2	7.4	7.9	---	---	---	12.1	11.8	---	12.8	11.8	12.5
MONTH	9.6	1.3	7.5	12.8	5.7	8.7	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.8	11.7	12.6	---	---	---	---	---	---	9.0	7.9	8.4
2	13.0	11.9	12.6	---	---	---	---	---	---	9.0	8.0	8.5
3	14.0	13.0	13.5	---	---	---	---	---	---	9.5	7.7	8.3
4	15.0	14.1	14.5	13.9	12.9	---	---	---	---	9.0	7.5	8.2
5	14.5	12.3	13.4	14.9	13.3	14.3	---	---	---	10.0	8.0	8.7
6	13.0	10.9	12.5	15.0	13.7	14.5	11.9	10.1	10.5	9.0	8.9	---
7	12.5	11.0	12.0	14.8	13.0	14.3	13.0	12.0	12.6	---	---	---
8	13.6	12.4	12.7	14.4	12.7	13.9	12.4	11.5	12.0	---	---	---
9	12.8	12.0	12.3	14.6	13.6	14.1	11.9	9.6	11.3	---	---	---
10	13.2	12.0	12.4	14.6	13.9	---	---	---	---	---	---	---
11	12.9	11.8	12.2	---	---	---	---	---	---	---	---	---
12	13.1	11.9	12.4	---	---	---	---	---	---	9.5	8.1	---
13	13.6	11.8	12.6	---	---	---	---	---	---	8.7	7.8	8.3
14	14.4	11.5	13.1	---	---	---	---	---	---	8.2	7.0	7.7
15	13.9	12.3	13.1	---	---	---	11.1	10.6	---	8.6	7.4	8.1
16	13.1	11.3	12.5	---	---	---	11.0	10.2	10.7	8.0	7.6	7.8
17	12.6	11.1	12.1	---	---	---	11.4	10.3	10.6	8.3	6.5	7.8
18	14.1	9.5	12.3	---	---	---	10.6	9.2	10.0	7.8	7.0	7.5
19	14.1	11.0	13.0	---	---	---	9.9	8.3	9.3	8.0	6.9	7.5
20	13.4	11.0	12.4	---	---	---	10.5	8.0	9.3	8.0	6.7	7.5
21	12.6	11.4	12.0	---	---	---	10.1	5.7	8.9	7.8	6.4	7.4
22	12.0	11.2	11.6	---	---	---	10.1	8.3	9.0	7.7	6.4	7.1
23	11.4	9.2	10.7	---	---	---	9.8	8.6	9.3	6.9	5.9	6.4
24	10.4	9.3	---	---	---	---	9.1	7.3	8.8	6.8	5.1	6.2
25	---	---	---	---	---	---	9.0	7.1	8.4	6.5	4.1	5.4
26	---	---	---	---	---	---	8.8	7.9	8.4	6.8	5.6	6.3
27	---	---	---	---	---	---	8.5	8.0	8.3	6.0	3.8	5.1
28	---	---	---	---	---	---	8.0	7.4	7.7	5.7	4.8	5.3
29	---	---	---	---	---	---	8.6	7.1	7.9	5.7	4.5	5.1
30	---	---	---	---	---	---	8.8	6.6	8.2	6.5	3.6	5.4
31	---	---	---	---	---	---	---	---	---	6.2	5.0	5.6
MONTH	15.0	9.2	12.5	---	---	---	---	---	---	10.0	3.6	---

01467030 DELAWARE RIVER AT TORRESDALE INTAKE, PHILADELPHIA, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.7	4.7	5.6	6.6	4.4	5.0	6.4	3.9	5.1	6.5	5.1	5.6
2	5.8	4.5	5.3	7.0	4.6	5.3	5.9	3.8	4.9	6.5	5.3	5.8
3	5.7	4.2	4.9	6.4	4.6	5.3	6.1	3.6	4.8	6.5	5.4	6.0
4	5.5	3.8	4.7	5.6	4.6	---	5.3	3.8	4.6	6.3	5.0	5.9
5	5.5	3.7	4.6	---	---	---	4.9	3.5	4.3	6.7	5.2	6.0
6	6.0	3.1	4.6	---	---	---	4.6	3.2	4.1	6.7	5.0	6.0
7	6.0	4.3	5.0	---	---	---	4.4	2.7	3.9	6.6	5.3	5.9
8	6.5	5.0	6.0	---	---	---	4.3	2.7	3.8	6.4	5.0	5.6
9	6.7	5.5	6.2	---	---	---	4.3	2.7	3.6	6.3	4.7	5.4
10	7.2	5.2	6.4	---	---	---	4.4	2.8	3.4	7.5	4.6	6.1
11	7.6	6.0	6.9	---	---	---	4.5	2.7	3.5	7.3	5.3	6.4
12	8.4	6.8	7.6	---	---	---	4.9	2.8	3.7	7.2	6.2	6.7
13	8.5	7.2	7.7	---	---	---	5.1	2.8	3.8	7.6	6.3	6.7
14	7.8	7.2	7.5	---	---	---	5.6	3.6	4.4	7.8	6.5	7.0
15	7.5	6.9	7.3	---	---	---	6.2	4.0	4.8	8.6	6.8	7.5
16	7.7	6.8	7.2	---	---	---	5.7	4.6	5.1	8.5	7.1	7.9
17	7.6	6.7	7.2	---	---	---	5.3	3.9	4.9	8.6	7.4	8.0
18	7.6	6.5	7.1	---	---	---	5.5	4.2	4.9	8.5	7.4	8.1
19	7.1	5.3	6.6	---	---	---	5.4	4.2	4.9	8.1	6.9	7.8
20	6.2	5.2	5.8	---	---	---	5.1	4.1	4.7	7.9	7.1	7.5
21	6.5	4.7	5.7	6.3	3.9	---	5.2	3.8	4.7	7.5	7.0	7.2
22	6.9	4.6	6.1	5.7	4.9	5.2	5.2	3.9	4.6	7.4	6.5	6.8
23	6.9	5.0	6.3	5.2	3.9	4.7	5.2	4.0	4.5	7.1	5.8	6.4
24	6.7	5.3	6.1	5.1	3.8	4.4	5.2	3.5	4.5	7.8	6.1	6.7
25	5.8	4.4	5.3	5.1	3.6	4.5	5.5	3.5	4.4	7.9	6.6	7.0
26	5.9	3.7	5.0	5.6	4.4	5.0	4.7	3.8	4.2	7.6	7.3	7.5
27	5.1	3.9	4.6	5.6	4.8	5.2	5.1	3.5	4.3	7.9	7.3	7.7
28	4.8	3.7	4.2	6.0	4.8	5.1	5.5	4.0	4.5	7.8	7.3	7.6
29	4.7	3.7	4.2	5.6	4.7	5.1	6.0	4.1	4.8	7.8	7.5	7.7
30	5.2	4.0	4.4	5.6	4.6	5.1	5.8	4.8	5.1	7.8	7.5	7.7
31	---	---	---	7.2	4.6	5.3	6.2	4.5	5.3	---	---	---
MONTH	8.5	3.1	5.9	---	---	---	6.4	2.7	4.5	8.6	4.6	6.8

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.9	7.0	6.6	6.4	6.5	7.1	6.8	6.9	6.6	6.5	6.5
2	7.0	6.8	6.9	6.5	6.4	6.5	7.2	6.6	6.9	6.8	6.6	6.6
3	7.0	6.9	7.0	6.5	6.4	6.5	7.0	6.5	6.8	6.7	6.6	6.6
4	7.0	6.9	6.9	7.1	6.5	6.8	7.0	6.9	7.0	6.8	6.6	6.6
5	7.0	6.9	6.9	7.5	6.8	7.3	7.0	6.9	---	6.9	6.6	6.7
6	6.9	6.8	6.9	7.5	7.1	7.4	---	---	---	6.9	6.6	6.7
7	6.9	6.8	6.8	7.5	7.2	7.3	---	---	---	6.8	6.5	6.6
8	6.9	6.2	6.5	7.6	7.3	7.4	---	---	---	6.6	6.5	6.6
9	6.3	6.2	6.2	7.8	7.2	---	---	---	---	6.6	6.4	6.6
10	6.4	6.2	6.3	---	---	---	---	---	---	6.6	6.5	6.6
11	6.4	6.2	6.3	---	---	---	6.3	6.1	---	6.7	6.6	6.6
12	6.4	6.2	6.3	7.0	6.5	---	6.6	6.0	6.3	6.6	6.6	6.6
13	6.4	6.3	6.3	7.2	6.5	6.6	6.6	6.4	6.4	6.9	6.5	6.7
14	6.4	6.3	6.3	7.3	6.7	6.9	6.6	6.4	6.5	6.9	6.5	6.7
15	6.5	6.3	6.4	7.0	6.7	6.9	6.7	6.5	6.5	6.7	6.5	6.6
16	6.9	6.3	6.6	7.0	6.9	6.9	6.8	6.5	6.6	6.7	6.5	6.6
17	6.9	6.7	6.8	7.0	6.9	6.9	6.8	6.4	6.6	6.7	6.5	6.6
18	6.9	6.8	6.8	7.2	6.8	6.9	7.0	6.8	6.8	6.9	6.6	6.6
19	6.9	6.8	6.8	7.0	6.3	6.6	6.9	6.6	6.8	6.9	6.6	6.8
20	6.9	6.7	6.8	6.5	6.3	6.4	6.9	6.6	6.7	6.9	6.6	6.7
21	6.9	6.7	6.8	6.5	6.3	6.3	6.7	6.6	6.7	6.9	6.5	6.6
22	6.8	6.6	6.7	6.4	6.3	6.3	6.9	6.6	6.8	7.2	6.6	7.0
23	6.7	6.6	6.6	6.4	6.2	6.3	6.7	6.6	6.7	7.2	7.0	7.1
24	6.7	6.6	6.7	6.4	6.3	6.3	6.9	6.5	6.7	7.3	7.1	7.2
25	6.8	6.6	6.7	6.9	6.3	6.6	6.7	6.5	6.6	7.3	7.2	7.2
26	6.8	6.7	6.7	7.1	6.8	7.0	6.6	6.5	6.6	7.1	6.9	7.0
27	6.8	6.7	6.7	7.0	6.9	7.0	6.7	6.5	6.6	6.9	6.7	6.8
28	6.8	6.7	6.7	7.0	6.9	6.9	6.7	6.6	6.6	6.6	6.2	6.4
29	6.8	6.6	6.7	7.0	6.8	6.9	6.7	6.6	6.6	6.5	6.2	6.3
30	6.7	6.5	6.7	6.9	6.8	6.8	6.7	6.5	6.6	6.5	6.4	6.5
31	6.6	6.4	6.5	---	---	---	6.7	6.5	6.6	6.5	6.3	6.4
MONTH	7.0	6.2	6.7	7.8	6.2	6.8	7.2	6.0	---	7.3	6.2	6.7

01467030 DELAWARE RIVER AT TORRESDALE INTAKE, PHILADELPHIA, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.4	6.2	6.3	6.5	6.1	6.2	7.2	6.8	7.0	6.7	6.5	6.6
2	6.4	6.2	6.3	6.4	6.2	6.2	6.9	6.7	6.9	6.7	6.5	6.6
3	6.4	6.3	6.4	6.5	6.0	6.3	7.1	6.9	7.0	6.8	6.5	6.6
4	6.4	6.2	6.4	6.9	6.4	6.6	7.9	6.9	---	6.7	6.4	6.6
5	7.0	6.3	6.6	6.9	6.7	6.8	---	---	---	6.7	6.5	6.6
6	7.0	6.8	6.9	6.8	6.7	6.7	---	---	---	6.6	6.6	---
7	7.0	6.8	6.9	7.0	6.7	6.7	---	---	---	---	---	---
8	6.9	6.8	6.8	6.9	6.6	6.7	---	---	---	---	---	---
9	6.8	6.7	6.8	7.0	6.7	6.9	7.1	6.8	---	---	---	---
10	6.8	6.7	6.8	7.2	6.8	7.0	7.2	6.8	7.0	---	---	---
11	7.3	6.7	7.0	7.1	6.8	7.0	7.3	7.0	7.0	---	---	---
12	7.2	7.1	7.1	6.9	6.8	6.9	7.1	7.0	7.0	7.0	6.8	---
13	7.2	7.0	7.1	7.1	6.8	6.8	7.2	7.0	7.1	6.9	6.4	6.6
14	7.2	7.0	7.1	7.0	6.8	6.9	7.1	7.0	7.1	6.7	6.5	6.6
15	7.2	7.0	7.2	7.0	6.8	6.9	7.2	6.7	6.9	6.7	6.4	6.5
16	7.2	7.0	7.1	6.9	6.8	6.8	6.7	6.6	6.7	6.6	6.5	6.5
17	7.2	7.0	7.1	7.2	6.8	7.0	6.8	6.6	6.7	6.6	6.3	6.4
18	7.2	6.7	7.0	7.3	7.1	---	6.8	6.6	6.7	6.5	6.2	6.3
19	7.0	6.6	6.7	---	---	---	6.9	6.6	6.7	6.6	6.1	6.4
20	7.1	6.6	6.7	---	---	---	6.8	6.7	6.7	6.6	6.4	6.5
21	7.1	6.5	6.9	---	---	---	6.8	6.7	6.8	6.4	6.2	6.3
22	7.0	6.6	6.9	7.4	7.0	---	7.0	6.7	6.7	6.5	6.2	6.3
23	7.1	6.9	7.0	7.2	7.0	7.1	7.0	6.7	6.8	6.5	6.3	6.3
24	7.2	6.5	6.9	7.2	6.9	7.0	6.8	6.5	6.7	6.5	6.3	6.4
25	6.7	6.5	6.6	7.1	7.0	7.0	6.8	6.3	6.7	6.5	6.0	6.4
26	6.6	6.2	6.4	7.2	7.0	7.1	6.8	6.3	6.7	6.5	6.3	6.4
27	6.6	6.1	6.3	7.2	7.0	7.1	6.7	6.6	6.7	6.5	6.3	6.4
28	6.5	6.3	6.4	7.3	7.0	7.2	6.6	6.6	6.6	6.7	6.3	6.5
29	---	---	---	7.3	7.1	7.2	6.6	6.4	6.5	6.7	6.5	6.6
30	---	---	---	7.3	7.0	7.1	6.6	6.4	6.5	6.7	6.4	6.5
31	---	---	---	7.3	7.1	7.2	---	---	---	6.5	6.4	6.4
MONTH	7.3	6.1	6.8	7.4	6.0	6.9	7.9	6.3	6.8	7.0	6.0	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.5	6.2	6.4	6.8	6.5	6.7	6.9	6.7	6.7	7.1	6.9	6.9
2	6.5	6.4	6.5	6.8	6.6	6.7	6.8	6.7	6.7	7.0	6.8	---
3	6.6	6.0	6.4	6.8	6.6	6.7	6.9	6.7	6.7	---	---	---
4	6.5	6.3	6.4	6.7	6.6	---	6.7	6.6	6.7	---	---	---
5	6.5	6.4	6.4	---	---	---	6.8	6.6	6.7	---	---	---
6	6.5	6.3	6.4	---	---	---	6.8	6.7	6.8	---	---	---
7	6.7	6.4	6.5	---	---	---	6.9	6.7	6.8	---	---	---
8	6.7	6.6	6.6	---	---	---	6.9	6.7	6.7	7.5	7.0	---
9	6.7	6.6	6.6	---	---	---	6.8	6.7	6.8	7.4	7.1	7.2
10	6.6	6.4	6.5	---	---	---	6.8	6.7	6.8	7.1	6.7	6.9
11	6.5	6.3	6.4	---	---	---	6.9	6.8	6.8	6.9	6.7	6.7
12	6.5	6.3	6.4	---	---	---	6.9	6.7	6.7	6.9	6.7	6.8
13	6.5	6.4	6.4	---	---	---	6.7	6.6	6.7	6.9	6.7	6.7
14	6.5	6.5	6.5	---	---	---	6.8	6.6	6.7	6.9	6.3	6.7
15	6.6	6.4	6.5	---	---	---	6.8	6.6	6.7	7.3	6.7	7.0
16	6.7	6.4	6.5	---	---	---	6.8	6.7	6.7	7.2	7.0	7.1
17	6.5	6.3	6.4	---	---	---	6.8	6.7	6.8	7.2	7.0	7.1
18	6.5	6.3	6.4	---	---	---	6.8	6.7	6.8	7.2	7.0	7.1
19	6.5	6.3	6.3	---	---	---	6.8	6.7	6.7	7.1	6.9	7.1
20	6.3	6.2	6.3	---	---	---	6.8	6.3	6.7	7.1	6.9	7.0
21	6.4	6.2	6.3	6.8	6.4	---	6.8	6.7	6.7	7.0	6.9	7.0
22	6.5	6.2	6.4	6.8	6.5	6.5	6.8	6.7	6.7	7.0	6.6	6.8
23	6.8	6.3	6.6	6.5	6.4	6.4	6.8	6.6	6.7	6.6	6.5	6.6
24	6.8	6.6	6.7	6.5	6.4	6.4	6.8	6.7	6.7	6.5	6.4	6.5
25	6.7	6.5	6.6	6.5	6.4	6.5	7.4	6.7	7.0	6.6	6.5	6.5
26	6.7	6.5	6.6	6.6	6.5	6.5	7.1	6.8	7.0	6.5	6.4	6.5
27	6.7	6.5	6.6	6.6	6.5	6.6	7.0	6.8	6.9	6.4	6.3	6.4
28	6.7	6.6	6.6	6.9	6.6	6.7	7.0	6.8	6.9	6.3	6.2	6.3
29	6.7	6.6	6.6	6.8	6.7	6.7	7.1	6.8	6.9	6.3	6.2	6.2
30	6.8	6.6	6.7	6.8	6.7	6.7	7.0	6.8	6.9	6.4	6.2	6.2
31	---	---	---	6.9	6.7	6.7	7.0	6.9	6.9	---	---	---
MONTH	6.8	6.0	6.5	---	---	---	7.4	6.3	6.8	7.5	6.2	---

01467030 DELAWARE RIVER AT TORRESDALE INTAKE, PHILADELPHIA, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.5	17.0	18.5	14.5	13.0	13.5	5.5	5.0	5.0	5.0	4.0	4.0
2	18.0	16.0	17.5	14.5	13.5	14.0	6.0	5.0	5.5	4.5	4.0	4.0
3	16.5	15.0	16.0	14.5	14.0	14.0	6.0	5.0	5.5	4.0	3.5	4.0
4	15.5	14.5	15.0	15.0	14.0	14.5	5.0	4.5	5.0	4.5	3.5	4.0
5	15.5	14.0	15.0	16.0	14.5	14.5	4.5	4.0	---	4.5	3.5	4.0
6	16.0	14.5	14.5	15.5	14.5	14.5	---	---	---	4.0	3.0	4.0
7	15.0	14.5	14.5	15.0	14.5	14.5	---	---	---	4.5	3.5	4.0
8	15.0	14.0	14.0	14.5	13.5	14.0	---	---	---	4.0	3.5	4.0
9	14.5	13.5	14.0	14.5	13.5	14.0	---	---	---	7.0	4.0	5.0
10	14.5	14.0	14.0	14.5	13.5	14.0	6.5	5.5	---	5.0	4.5	4.5
11	15.0	14.0	14.5	14.5	13.0	14.0	6.0	4.0	5.0	8.0	4.5	5.5
12	15.0	14.5	14.5	14.5	14.0	14.0	4.5	4.0	4.0	6.5	5.5	5.5
13	15.0	14.5	15.0	14.5	13.0	14.0	4.5	4.0	4.0	6.0	5.5	5.5
14	15.0	14.5	15.0	14.0	12.0	13.0	4.5	4.0	4.0	5.0	3.5	5.0
15	15.5	15.0	15.0	13.0	10.5	12.0	4.5	4.0	4.0	4.0	2.0	3.5
16	15.0	12.0	14.5	11.0	10.0	11.0	7.0	4.0	5.0	3.0	2.0	2.5
17	15.5	12.0	14.5	10.5	9.5	10.0	6.5	5.0	5.5	1.5	1.0	1.5
18	15.0	14.5	14.5	10.0	9.0	9.5	5.0	5.0	5.0	1.5	0.5	1.0
19	15.0	13.5	14.0	10.5	9.0	9.0	5.0	4.5	4.5	4.0	1.0	1.5
20	14.0	12.0	13.5	9.5	8.5	9.0	5.0	4.0	4.5	4.5	1.0	1.5
21	13.0	11.0	12.0	9.0	8.0	8.5	4.5	4.0	4.0	1.0	0.5	1.0
22	13.0	10.5	12.0	8.0	7.0	7.5	4.0	3.5	4.0	2.0	1.0	1.5
23	13.0	11.0	12.0	7.0	6.0	7.0	4.5	3.5	4.0	2.0	1.5	2.0
24	12.0	11.0	12.0	8.0	6.5	7.0	4.5	4.0	4.0	2.0	1.5	2.0
25	12.0	11.0	11.5	8.0	7.0	7.5	4.5	4.0	4.0	6.0	2.0	2.5
26	11.5	11.0	11.5	8.0	5.5	6.5	4.0	4.0	4.0	4.0	3.0	3.5
27	11.5	10.5	11.0	6.5	5.5	6.0	4.0	4.0	4.0	4.0	3.5	3.5
28	11.5	10.5	11.0	6.5	5.5	6.0	4.5	4.0	4.0	4.0	3.5	3.5
29	12.0	11.0	11.5	6.0	5.0	5.5	4.5	4.0	4.0	4.5	3.5	4.0
30	13.0	11.5	12.0	6.0	4.5	5.5	5.0	4.0	4.5	4.5	3.5	4.0
31	13.5	12.0	12.5	---	---	---	4.0	4.0	4.0	4.5	4.0	4.0
MONTH	18.5	10.5	14.0	16.0	4.5	11.0	7.0	3.5	4.5	8.0	0.5	3.5

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.0	3.5	4.0	5.0	3.5	4.0	9.0	5.5	6.5	15.0	14.5	14.5
2	4.5	3.5	4.0	5.0	3.5	4.0	10.0	6.5	7.5	15.0	14.0	14.5
3	4.0	3.0	3.5	4.5	3.0	3.5	9.0	8.0	8.0	16.5	14.0	15.0
4	3.0	2.0	2.5	4.0	2.0	3.0	10.0	6.5	8.0	15.5	14.0	15.0
5	3.5	1.5	2.5	4.0	2.0	3.0	9.5	7.0	8.5	15.0	13.5	14.5
6	4.5	3.0	3.5	4.0	2.0	3.0	9.5	9.0	9.5	14.5	14.5	---
7	4.0	3.0	3.5	5.0	3.0	3.5	9.5	8.5	9.0	---	---	---
8	3.5	2.0	3.0	4.5	3.5	4.0	10.0	9.5	---	---	---	---
9	3.5	3.0	3.5	4.0	3.0	3.5	6.5	6.0	---	---	---	---
10	3.5	2.0	3.0	5.0	3.0	4.0	8.0	5.5	6.5	---	---	---
11	3.5	3.0	3.0	5.5	4.5	5.0	8.5	6.5	7.5	---	---	---
12	3.5	2.0	3.0	7.0	5.0	5.5	9.5	7.0	8.0	20.5	19.5	---
13	3.5	2.0	3.0	7.0	5.5	6.0	9.5	8.0	8.5	19.5	18.0	19.0
14	4.0	1.5	2.5	6.5	5.5	5.5	11.0	8.5	9.0	19.5	18.0	18.5
15	3.0	1.5	2.5	6.5	5.0	5.5	9.5	8.5	9.5	20.5	18.0	19.0
16	4.0	2.0	2.5	7.0	5.5	6.0	11.0	9.0	9.5	19.5	18.5	19.0
17	4.0	3.0	3.0	8.0	6.0	6.0	13.0	9.5	10.5	20.0	18.0	19.0
18	5.0	1.5	3.0	6.5	5.5	---	13.5	10.5	11.0	19.5	18.5	19.0
19	5.0	1.5	2.5	---	---	---	14.0	11.0	12.0	20.0	18.5	19.0
20	5.0	3.0	3.5	---	---	---	13.0	11.0	12.0	20.5	19.0	20.0
21	5.0	3.5	4.0	---	---	---	13.0	11.0	12.0	20.5	20.0	20.0
22	5.0	4.0	4.5	9.5	7.0	---	13.5	11.5	12.5	21.5	20.0	20.5
23	6.5	4.5	5.0	8.5	6.0	6.5	14.0	13.0	13.5	22.0	21.0	21.5
24	8.5	5.5	6.0	9.0	6.0	7.0	16.0	13.5	14.0	23.5	21.5	23.0
25	8.0	6.0	6.0	8.5	6.5	7.0	15.5	14.0	14.5	23.0	21.5	22.5
26	6.0	3.5	5.0	8.0	6.5	7.0	15.5	14.0	14.5	23.0	21.5	22.0
27	5.5	3.5	4.0	7.0	6.0	6.5	15.5	14.0	14.5	23.5	22.0	22.5
28	5.0	3.5	4.0	7.0	5.5	6.0	15.5	14.5	15.0	24.0	23.0	23.5
29	---	---	---	6.5	5.5	6.0	15.0	14.5	14.5	24.5	23.0	23.5
30	---	---	---	8.0	5.5	6.0	16.5	14.0	15.0	23.5	22.0	23.5
31	---	---	---	7.0	5.5	6.0	---	---	---	24.0	22.0	23.5
MONTH	8.5	1.5	3.5	9.5	2.0	5.0	16.5	5.5	11.0	24.5	13.5	---

01467030 DELAWARE RIVER AT TORRESDALE INTAKE AT PHILADELPHIA, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	22.0	23.0	26.0	24.0	25.0	25.5	24.0	25.0	25.5	24.5	25.0
2	24.0	22.0	23.5	26.0	24.5	25.5	26.0	24.5	25.5	25.5	24.0	25.0
3	24.0	22.0	23.5	25.5	24.5	25.0	26.5	25.5	26.0	25.5	24.0	25.0
4	24.0	23.0	23.5	25.0	24.0	---	27.0	26.0	26.0	25.0	22.0	24.5
5	23.5	22.0	23.5	---	---	---	28.0	26.0	26.5	25.0	24.5	24.5
6	23.5	20.5	22.5	---	---	---	27.0	26.0	27.0	24.5	24.0	24.5
7	23.0	21.0	22.5	---	---	---	26.5	25.5	26.0	24.5	24.0	24.0
8	22.0	20.0	21.5	---	---	---	26.0	25.5	25.5	24.0	23.0	24.0
9	21.0	19.0	20.0	---	---	---	26.5	25.5	25.5	23.5	23.0	23.5
10	20.5	19.0	19.5	---	---	---	26.0	25.5	25.5	24.0	22.0	23.0
11	20.5	19.5	19.5	---	---	---	26.0	25.0	25.5	23.0	22.0	23.0
12	19.5	18.5	19.5	---	---	---	26.0	25.0	25.5	23.0	22.0	22.5
13	21.0	18.5	20.0	---	---	---	26.0	25.0	25.5	22.0	20.5	21.5
14	21.5	20.0	20.5	---	---	---	26.0	24.5	25.5	21.5	20.5	21.5
15	23.0	20.0	21.0	---	---	---	26.0	25.0	25.5	21.0	20.0	20.5
16	23.0	21.0	21.5	25.5	24.0	---	25.5	24.5	25.0	20.5	19.5	20.5
17	23.5	21.5	22.0	25.5	23.5	24.5	25.0	24.5	25.0	21.0	20.0	20.5
18	24.0	21.5	23.0	25.5	24.0	25.0	25.0	24.5	25.0	20.5	20.0	20.5
19	24.5	23.0	23.5	25.5	24.5	25.0	25.5	24.5	25.0	20.5	20.0	20.5
20	24.0	23.5	24.0	26.0	25.0	25.5	25.5	24.5	25.0	21.0	20.5	20.5
21	25.0	23.5	24.0	26.0	24.5	25.5	25.5	25.0	25.0	21.0	20.0	20.5
22	25.0	24.0	24.5	26.5	25.5	26.0	25.5	25.0	25.0	20.5	20.0	20.5
23	25.5	24.5	25.0	26.5	25.5	26.0	25.5	24.5	25.0	20.0	18.0	19.5
24	26.5	24.5	25.5	26.5	26.0	26.0	25.0	24.5	24.5	19.5	17.0	18.5
25	26.5	25.0	25.5	26.5	25.5	26.0	26.5	24.5	25.5	18.5	16.5	18.0
26	25.5	25.0	25.5	27.0	25.5	26.0	28.0	26.5	27.0	19.0	16.5	17.0
27	25.5	25.0	25.0	26.5	25.0	26.0	28.5	26.5	27.0	18.5	16.5	17.0
28	26.0	24.5	25.5	25.5	23.5	25.0	28.5	26.5	27.0	18.5	16.5	17.0
29	26.5	25.0	25.5	24.5	23.5	24.0	28.0	26.5	27.0	18.0	16.0	16.5
30	26.0	25.0	25.5	24.5	23.0	24.0	27.0	26.0	26.5	18.0	16.5	17.0
31	---	---	---	25.5	23.5	24.5	26.5	25.0	25.5	---	---	---
MONTH	26.5	18.5	23.0	---	---	---	28.5	24.0	25.5	25.5	16.0	21.0

01467100 DELAWARE RIVER AT LEHIGH AVENUE, PHILADELPHIA, PA.

LOCATION.--Lat 39°58'09", long 75°06'41", Philadelphia County, at center of river on a line midway between piers 14 and 18 Port Richmond Terminal through channel station +5.0 to a pierhead line on west bank of Petty Island.

DRAINAGE AREA.--7,940 mi^2 (20,600 km^2).

PERIOD OF RECORD.--Chemical analyses: August 1949 to September 1968, October 1968 to September 1970 (partial-record station), February 1974 to September 1975.

REMARKS.--Samples collected about 5 to 15 ft (2 to 5 m) from bottom. Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1262.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT. 17...	1145	3.9	100	160	15	5.7	9.5	2.2	43	35	29	10
NOV. 14...	1045	3.4	40	60	19	7.1	14	2.6	56	46	35	16
DEC. 05...	1309	4.0	160	70	14	4.8	8.0	1.6	36	30	23	9.7
JAN. 09...	1155	5.5	90	140	16	5.2	11	2.0	40	33	30	14
FEB. 06...	1205	5.2	140	90	15	4.4	13	1.2	34	28	27	19
MAR. 13...	1215	4.6	140	110	13	4.6	7.3	1.7	34	28	25	11
APR. 03...	1130	4.4	80	90	12	3.8	6.9	1.4	30	25	21	10
MAY 08...	1110	2.6	120	60	17	5.6	8.3	1.7	46	38	28	12
JUNE 05...	1200	3.0	70	90	15	3.4	9.2	2.0	40	33	24	14
JULY 10...	1120	4.7	100	30	18	4.8	8.4	2.2	41	34	25	11
AUG. 21...	1110	2.6	80	10	20	7.9	12	2.7	56	46	30	12
SEP. 11...	1150	.5	20	20	23	8.2	13	2.6	62	51	34	15

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT. 17...	.3	.93	.06	.99	2.0	115	108	61	26	188	15.0
NOV. 14...	.2	1.1	.07	1.2	.46	144	132	77	31	260	13.0
DEC. 05...	.2	.79	.02	.81	.46	100	88	55	25	161	4.5
JAN. 09...	.2	1.1	.04	1.1	.94	106	112	61	29	207	5.0
FEB. 06...	.2	.95	.02	.97	.06	118	106	56	28	192	2.0
MAR. 13...	.2	.95	.03	.98	.12	95	89	51	24	161	5.0
APR. 03...	.0	.83	.02	.85	1.4	87	83	46	21	136	8.0
MAY 08...	.1	.73	.04	.77	.06	105	102	66	28	183	15.0
JUNE 05...	.1	.71	.12	.83	.12	115	95	51	19	170	23.0
JULY 10...	.1	1.1	.24	1.3	.10	115	101	65	31	167	26.0
AUG. 21...	.2	1.3	.10	1.4	.11	137	122	82	37	223	25.5
SEP. 11...	.2	1.4	.12	1.5	.84	157	136	91	40	250	21.5

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.

LOCATION.--Lat 39°57'11", long 75°08'05", Philadelphia County, at center of river on a line 200 ft (61 m) upstream of bridge from the north side of pier 12 north through channel station +14.3 to pierhead line on New Jersey side of river.

DRAINAGE AREA.--7,993 mi² (20,700 km²).

PERIOD OF RECORD.--Chemical analyses: August 1949 to September 1975.
Water temperatures: November 1960 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 370 micromhos July 12; minimum, 133 micromhos Feb. 27, 28.
Dissolved oxygen: Maximum, 12.2 mg/l Jan. 10; minimum, 0.0 mg/l Nov. 8, 12.
pH: Maximum, 8.1 Mar. 19; minimum, 5.7 June 28, 29.
Water temperatures: Maximum, 27.0°C Aug. 4-6; minimum, 1.5°C Jan. 16, 17.

Period of record:
Specific conductance (1963-75): Maximum, 1,450 micromhos Nov. 20, 1964; minimum, 80 micromhos Aug. 30, 1971.
Dissolved oxygen (1960-75): Maximum, 14.1 mg/l Dec. 14, 1962; minimum, 0.0 mg/l on many days each year.
pH (1968-75): Maximum, 8.1 Mar. 19, 1975; minimum, 5.6 Feb. 27, 1970.
Water temperatures: Maximum, 31.0°C July 13-15, 1966; minimum, freezing point on many days during winter periods.

REMARKS.--Water-quality recorder (30°57'10", 75°08'18") located at river end of pier 11 north about 100 ft (30 m) downstream from bridge. Samples collected approximately 5 to 15 ft (2 to 5 m) from bottom. Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1809-O.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.												
17...	1130	4.6	100	140	15	5.3	11	2.5	43	35	30	13
NOV.												
14...	1030	3.6	40	60	19	7.0	15	2.6	57	47	38	17
DEC.												
05...	1255	3.9	180	70	14	4.6	8.5	1.7	35	29	23	10
JAN.												
09...	1135	5.5	100	160	16	5.2	11	1.8	35	29	34	14
FEB.												
06...	1116	5.2	200	100	16	4.6	12	1.3	35	29	28	18
MAR.												
13...	1205	4.6	70	110	13	4.5	7.7	1.7	39	32	25	11
APR.												
03...	1110	4.4	60	90	12	3.8	6.9	1.4	29	24	20	10
MAY												
08...	1055	2.6	120	60	18	5.5	8.2	1.7	47	39	26	11
JUNE												
05...	1150	3.0	60	90	16	3.6	9.5	2.1	48	33	24	13
JULY												
10...	1100	4.4	50	50	23	6.4	9.4	2.9	46	38	27	14
AUG.												
21...	1100	2.5	50	10	20	8.0	11	2.5	61	50	31	12
SEP.												
11...	1130	.3	10	20	24	8.9	14	2.8	63	52	38	18

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT. 17...	.2	.92	.05	.97	2.7	117	116	59	24	199	15.0
NOV. 14...	.2	1.1	.07	1.2	.64	150	138	76	30	265	13.0
DEC. 05...	.2	.79	.03	.82	.52	106	89	54	25	162	5.0
JAN. 09...	.1	--	--	--	--	124	105	61	33	210	5.0
FEB. 06...	.1	1.2	.02	1.2	.06	135	108	59	30	189	2.0
MAR. 13...	.1	.94	.02	.96	.12	102	92	51	19	164	5.0
APR. 03...	.0	.82	.03	.85	1.3	82	81	46	22	136	8.0
MAY 08...	.0	.90	.04	.94	.07	108	101	68	29	180	15.0
JUNE 05...	.1	.79	.13	.92	.13	109	96	55	22	179	23.0
JULY 10...	.1	1.2	.22	1.4	.11	104	117	84	46	185	26.0
AUG. 21...	.1	1.3	.11	1.4	.12	147	124	83	33	228	25.5
SEP. 11...	.2	1.4	.12	1.5	.69	175	146	97	45	259	22.0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C). WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	246	231	240	285	259	272	257	221	242	225	217	223
2	241	220	235	285	239	274	245	232	---	228	214	222
3	240	216	230	280	266	---	257	238	---	231	218	227
4	240	216	228	282	267	---	274	237	251	233	224	230
5	240	225	232	279	262	272	267	245	256	240	224	230
6	241	229	235	280	234	269	262	248	256	---	---	---
7	248	240	245	280	265	273	267	249	258	252	242	---
8	252	204	232	293	275	284	259	227	242	256	238	245
9	232	201	220	296	280	286	228	228	---	253	241	249
10	230	199	217	300	292	---	---	---	---	251	236	245
11	229	207	219	337	317	---	170	144	---	245	236	241
12	231	203	219	340	320	331	162	135	146	242	230	---
13	233	213	224	342	311	327	154	139	146	242	229	---
14	230	213	224	335	299	316	160	143	150	224	198	---
15	230	212	221	322	287	309	169	153	163	---	---	---
16	227	208	218	307	282	296	171	164	---	210	198	---
17	---	---	---	307	277	293	146	134	---	217	203	210
18	224	214	---	304	278	293	148	140	143	236	211	224
19	227	217	222	301	286	---	150	146	148	252	227	238
20	227	221	224	306	274	291	160	148	155	249	239	244
21	230	221	225	304	230	268	173	159	164	276	243	251
22	236	225	230	272	217	249	172	163	168	---	---	---
23	262	228	234	271	226	244	170	165	168	---	---	---
24	253	236	244	242	213	226	182	174	---	---	---	---
25	256	238	249	236	213	---	183	177	181	---	---	---
26	250	238	245	226	212	218	186	178	181	---	---	---
27	255	240	249	236	219	228	192	182	187	251	244	---
28	261	244	253	239	225	232	194	187	191	250	236	245
29	275	245	261	242	216	231	195	189	193	248	236	245
30	272	206	260	249	212	231	199	192	196	243	228	237
31	275	212	266	---	---	---	223	197	213	238	215	230
MONTH	275	199	235	342	212	271	274	134	---	---	---	---

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	233	208	221	156	137	143	211	166	187	257	240	249
2	221	211	216	157	145	150	198	189	---	258	245	252
3	223	210	219	168	156	161	207	193	199	255	238	247
4	232	211	221	178	164	---	197	191	194	253	240	---
5	284	219	245	187	173	179	197	189	195	227	217	---
6	253	236	246	195	182	187	205	187	197	224	216	220
7	268	232	251	196	189	193	185	175	---	224	217	220
8	270	239	254	200	194	197	191	171	---	226	208	219
9	254	229	242	208	196	202	188	169	177	217	186	201
10	247	231	237	214	204	209	180	173	177	202	178	188
11	261	236	---	222	210	217	188	175	181	186	170	179
12	280	248	260	233	219	225	192	181	187	185	172	---
13	278	262	272	235	221	229	195	188	191	174	160	---
14	284	266	276	236	230	---	200	193	196	172	159	165
15	289	269	279	---	---	---	218	193	201	168	160	164
16	287	268	---	---	---	---	230	214	224	175	163	168
17	---	---	---	259	231	---	230	221	226	171	166	---
18	304	296	---	---	---	---	231	225	228	---	---	---
19	301	284	296	261	241	252	254	227	239	---	---	---
20	297	284	292	263	243	250	264	255	---	163	154	---
21	295	283	290	256	216	236	---	---	---	165	155	161
22	294	278	287	215	199	---	237	230	---	166	159	163
23	292	275	285	---	---	---	243	230	237	170	162	166
24	291	268	280	---	---	---	246	236	242	221	173	205
25	289	249	269	---	---	---	248	234	241	235	229	---
26	239	145	192	---	---	---	239	228	235	---	---	---
27	146	133	141	---	---	---	237	227	232	---	---	---
28	143	133	---	---	---	---	253	232	---	---	---	---
29	---	---	---	---	---	---	252	196	227	192	181	---
30	---	---	---	---	---	---	270	242	250	191	185	188
31	---	---	---	---	---	---	---	---	---	191	185	189
MONTH	304	133	251	---	---	---	270	166	---	258	154	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	192	157	184	---	---	---	242	236	---			
2	187	173	181	---	---	---	---	---	---			
3	192	184	188	---	---	---	---	---	---			
4	209	189	201	---	---	---	262	247	---			
5	211	198	202	---	---	---	274	256	264			
6	226	203	212	---	---	---	275	225	---			
7	235	196	---	308	295	---	---	---	---			
8	---	---	---	314	290	305	220	219	---			
9	213	205	---	319	300	309	235	217	225			
10	212	201	207	317	302	310	243	235	239			
11	205	175	192	358	310	331	248	238	---			
12	218	195	203	370	310	---	246	235	242			
13	228	220	226	---	---	---	240	215	228			
14	225	221	---	---	---	---	233	213	221			
15	---	---	---	223	182	---	276	232	255			
16	176	171	---	189	160	174	292	275	285			
17	189	175	180	179	165	173	294	284	---			
18	181	172	179	197	174	184	---	---	---			
19	183	172	178	220	193	208	321	294	---			
20	189	180	185	224	213	219	303	282	---			
21	194	186	190	243	209	222	---	---	---			
22	198	193	---	252	215	---	---	---	---			
23	199	185	---	280	222	---	---	---	---			
24	204	192	198	300	267	281	---	---	---			
25	209	197	204	295	211	240	---	---	---			
26	255	205	221	235	211	221	---	---	---			
27	263	240	251	252	228	---	---	---	---			
28	281	253	267	221	209	---	---	---	---			
29	262	215	235	230	181	---	---	---	---			
30	221	207	---	245	222	232	---	---	---			
31	---	---	---	257	238	249	---	---	---			
MONTH	281	157	---	---	---	---	---	---	---			

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.8	2.1	3.4	4.2	.7	1.9	8.9	5.8	6.9	9.1	7.9	8.5
2	5.8	3.0	4.1	3.6	.5	1.6	6.9	6.4	---	9.6	8.2	8.9
3	5.6	3.5	4.6	2.8	.6	---	---	---	---	9.2	7.8	8.4
4	5.6	3.7	4.5	1.9	.2	---	---	---	---	9.0	7.6	8.2
5	5.5	3.2	4.1	1.9	.4	1.0	---	---	---	9.5	7.7	8.4
6	5.4	2.8	3.9	1.9	.3	.9	---	---	---	---	---	---
7	5.6	2.8	3.8	1.7	.4	.8	---	---	---	10.9	9.2	---
8	5.9	3.1	4.2	1.8	0	.9	---	---	---	11.9	9.7	10.7
9	5.6	2.3	3.8	1.9	.6	1.0	---	---	---	11.9	9.8	10.7
10	5.3	2.1	3.5	.8	.7	---	---	---	---	12.2	9.6	10.8
11	4.5	1.4	2.6	2.8	.8	---	---	---	---	---	---	---
12	4.9	1.4	2.8	2.8	0	1.3	---	---	---	---	---	---
13	4.2	1.3	2.5	3.2	.7	1.7	---	---	---	---	---	---
14	4.4	1.5	2.8	5.1	1.6	3.2	---	---	---	---	---	---
15	4.8	1.9	3.0	6.9	3.3	4.8	---	---	---	---	---	---
16	4.8	2.2	3.5	6.9	4.5	5.6	---	---	---	---	---	---
17	---	---	---	6.5	4.4	5.5	10.6	10.2	---	---	---	---
18	4.1	2.4	---	6.2	4.6	---	10.5	10.2	10.4	11.2	10.5	---
19	4.2	2.6	3.3	6.5	3.3	---	10.4	9.8	10.1	11.8	10.7	10.9
20	4.5	2.9	3.6	6.6	3.7	5.0	10.1	9.4	9.8	11.8	10.5	11.1
21	4.9	3.4	4.2	7.4	4.5	5.9	9.8	8.8	9.3	11.2	10.6	10.9
22	4.6	3.0	3.9	8.2	5.2	6.4	10.1	8.9	9.6	---	---	---
23	4.6	2.3	3.4	7.4	5.0	6.3	10.1	8.8	9.4	---	---	---
24	3.6	2.0	2.6	8.4	5.9	7.1	10.5	9.2	---	---	---	---
25	3.6	1.6	2.4	8.6	6.3	---	10.4	8.0	9.5	---	---	---
26	3.5	.5	1.9	8.9	6.6	8.0	10.4	9.1	9.8	---	---	---
27	3.2	.4	1.8	8.6	6.8	7.8	10.2	9.0	9.7	---	---	---
28	2.7	.8	1.7	8.0	6.2	7.1	10.5	9.1	9.7	---	---	---
29	4.7	.7	2.[illegible]	8.9	6.3	7.5	10.1	8.3	9.4	---	---	---
30	4.6	1.3	2.6	8.9	6.7	7.7	10.0	8.8	9.4	---	---	---
31	3.9	.9	2.1	---	---	---	9.5	8.0	8.7	---	---	---
MONTH	5.9	.4	3.2	8.9	0	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11.9	11.5	11.7	11.1	9.7	10.5	6.8	5.0	5.8
2	---	---	---	11.9	11.5	11.7	10.9	10.3	---	6.4	4.5	5.3
3	---	---	---	11.7	11.4	11.5	10.6	7.9	10.2	5.9	3.9	4.8
4	---	---	---	11.3	11.1	---	10.8	10.4	10.6	6.1	4.0	5.0
5	11.2	10.4	---	11.4	10.5	10.8	10.7	10.3	10.5	6.9	5.1	---
6	11.1	10.1	10.7	11.4	10.4	10.8	11.1	10.3	10.7	---	---	---
7	11.4	9.9	10.6	11.5	10.9	11.1	11.8	11.1	11.3	---	---	---
8	11.2	10.0	10.6	11.6	10.5	11.1	11.4	10.8	11.1	---	---	---
9	11.6	10.4	11.1	11.3	10.4	10.8	11.4	10.8	11.0	---	---	---
10	11.4	10.7	11.1	11.0	10.1	10.5	11.3	10.6	10.9	---	---	---
11	11.5	10.9	---	10.8	9.6	10.2	10.9	10.3	10.6	---	---	---
12	11.5	10.7	11.1	10.4	9.5	9.9	10.6	7.9	10.1	---	---	---
13	11.3	10.6	10.9	10.6	9.3	9.8	10.3	9.7	9.9	6.3	5.3	---
14	11.4	10.7	11.0	10.6	9.3	---	10.3	9.6	9.8	6.6	5.0	5.8
15	11.5	10.4	10.9	---	---	---	10.0	9.1	9.6	6.9	5.1	6.1
16	11.2	10.3	---	---	---	---	8.9	7.8	8.3	7.0	5.6	6.1
17	---	---	---	10.2	9.4	---	8.7	7.6	8.1	6.1	5.1	---
18	11.2	10.5	---	---	---	---	8.5	7.6	8.1	---	---	---
19	11.6	10.2	11.0	10.2	8.9	9.4	8.5	7.9	8.2	---	---	---
20	11.6	10.7	11.2	10.4	9.0	9.7	8.3	7.7	---	5.7	4.7	---
21	11.6	10.7	11.1	10.2	9.7	9.9	---	---	---	5.4	4.2	4.8
22	11.4	10.4	10.9	10.0	9.3	9.6	8.6	7.1	7.8	4.7	3.3	4.2
23	11.3	10.2	10.6	10.4	9.7	---	8.7	6.8	7.8	3.9	2.9	3.4
24	10.9	9.9	---	---	---	---	7.6	6.1	6.8	3.8	2.6	3.0
25	11.1	9.6	10.3	---	---	---	7.0	5.5	6.3	3.9	2.8	---
26	11.7	10.8	11.2	---	---	---	7.7	6.1	6.7	---	---	---
27	11.9	11.5	11.6	---	---	---	7.9	6.5	7.1	---	---	---
28	12.0	11.6	---	---	---	---	7.4	5.8	6.5	---	---	---
29	---	---	---	---	---	---	7.8	6.5	---	3.0	2.4	---
30	---	---	---	---	---	---	7.5	5.9	6.5	3.4	1.6	2.1
31	---	---	---	---	---	---	---	---	---	2.1	1.3	1.6
MONTH	12.0	9.6	---	---	---	---	11.8	5.5	9.0	---	---	---

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.6	1.2	1.8	---	---	---	2.7	.7	1.4			
2	2.7	1.4	2.0	---	---	---	1.7	.5	.9			
3	2.7	1.3	1.8	---	---	---	1.5	.5	.9			
4	2.2	1.2	1.5	---	---	---	1.5	.6	.9			
5	2.4	1.2	1.5	---	---	---	1.3	.4	.8			
6	2.8	1.4	1.8	---	---	---	.7	.2	.4			
7	3.9	1.8	2.9	1.7	.8	---	.6	.3	.5			
8	4.7	3.5	4.1	1.3	.5	.9	.5	.2	.3			
9	4.9	3.8	4.2	1.1	.4	.7	.6	.3	.4			
10	4.5	2.2	3.7	.9	.3	.6	.5	.3	.4			
11	4.6	3.1	3.8	.8	.3	.5	1.4	.9	---			
12	4.4	2.9	3.4	3.2	.3	1.4	1.6	.8	1.1			
13	4.8	3.1	3.9	3.4	2.2	---	1.6	.7	1.1			
14	5.1	3.8	4.3	---	---	---	1.5	.8	1.2			
15	5.3	4.2	4.6	4.0	3.0	---	1.9	.7	1.2			
16	5.0	4.2	4.6	4.4	2.9	3.3	1.3	.4	.8			
17	4.6	3.4	3.9	4.0	2.5	3.0	1.1	.3	.6			
18	3.8	2.2	3.2	3.0	2.0	2.5	.9	.3	.5			
19	3.3	2.2	2.7	2.7	1.5	2.2	1.7	.3	---			
20	2.8	2.1	---	2.8	1.6	2.0	1.5	.5	.8			
21	---	---	---	4.3	2.1	2.8	1.1	.4	.6			
22	---	---	---	3.2	2.1	2.5	.8	.2	.4			
23	3.2	2.3	---	2.8	1.6	---	---	---	---			
24	2.7	2.0	2.3	2.7	1.3	1.8	---	---	---			
25	2.2	1.5	1.7	2.8	1.2	1.8	1.0	.6	---			
26	1.9	1.2	1.4	3.4	1.8	2.4	1.0	.4	.7			
27	1.6	1.2	1.3	3.4	1.8	2.4	1.1	.4	.8			
28	1.4	1.1	1.2	3.4	2.2	---	1.4	.5	.9			
29	1.5	1.1	1.2	3.5	2.0	---	---	---	---			
30	1.4	1.1	---	3.4	1.7	2.2	---	---	---			
31	---	---	---	2.8	1.2	1.6	---	---	---			
MONTH	5.3	1.1	2.8	---	---	---	2.7	.2	---			

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.3	6.8	7.0	6.9	6.6	6.8	6.9	6.7	6.8
2	---	---	---	7.3	6.8	7.0	6.9	6.8	---	7.0	6.7	6.9
3	---	---	---	7.3	6.8	---	6.9	6.7	---	7.0	6.6	6.8
4	---	---	---	---	---	---	7.0	6.8	6.9	6.9	6.8	6.8
5	---	---	---	---	---	---	---	---	---	7.0	6.8	6.9
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	6.9	6.7	---	6.9	6.6	6.8
8	---	---	---	---	---	---	---	---	---	6.9	6.6	6.7
9	---	---	---	---	---	---	---	---	---	6.9	6.7	6.8
10	---	---	---	---	---	---	6.9	6.8	---	7.0	6.8	---
11	---	---	---	---	---	---	6.8	6.7	---	7.0	6.8	---
12	---	---	---	---	---	---	6.7	6.5	6.6	7.0	6.8	---
13	---	---	---	---	---	---	6.7	6.6	6.6	7.1	6.9	---
14	---	---	---	---	---	---	6.7	6.6	6.6	---	---	---
15	---	---	---	---	---	---	7.2	6.6	6.9	---	---	---
16	---	---	---	---	---	---	6.8	6.8	---	7.2	6.9	---
17	---	---	---	---	---	---	6.8	6.7	---	7.2	7.0	7.1
18	---	---	---	---	---	---	6.8	6.7	6.8	7.1	6.8	6.9
19	---	---	---	6.9	6.6	---	6.8	6.7	6.8	6.9	6.8	6.8
20	---	---	---	7.0	6.7	6.8	6.8	6.7	6.8	7.1	6.8	6.9
21	---	---	---	6.9	6.7	6.8	6.8	6.6	6.7	7.1	6.8	6.9
22	---	---	---	6.9	6.6	6.8	6.9	6.7	6.8	---	---	---
23	6.9	6.7	---	6.8	6.3	6.6	6.9	6.7	6.8	---	---	---
24	6.9	6.6	---	6.8	6.6	6.7	6.9	6.3	---	---	---	---
25	7.0	6.8	---	6.8	6.6	---	6.8	6.1	6.7	---	---	---
26	6.9	6.7	6.8	7.1	6.8	6.9	6.9	6.3	6.8	---	---	---
27	6.9	6.3	6.7	6.9	6.6	6.8	6.9	6.7	6.8	6.9	6.8	---
28	7.0	6.6	6.8	6.9	6.6	6.7	6.9	6.7	6.8	6.9	6.8	6.8
29	7.0	6.8	6.9	6.9	6.6	6.8	6.9	6.7	6.8	6.9	6.7	6.8
30	7.1	6.9	7.0	7.0	6.5	6.8	6.9	6.7	6.9	6.9	6.8	6.9
31	7.3	6.8	7.0	---	---	---	6.9	6.7	6.8	7.0	6.8	6.9
MONTH	---	---	---	---	---	---	7.2	6.1	---	---	---	---

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.8	6.8	6.6	6.7	7.4	6.9	7.1	6.8	6.6	6.7
2	6.9	6.8	6.8	6.8	6.7	6.7	---	---	---	6.8	6.6	6.7
3	6.9	6.8	6.8	6.8	6.6	6.7	---	---	---	6.8	6.6	6.7
4	6.9	6.8	6.8	7.3	6.8	---	---	---	---	7.0	6.7	6.8
5	6.9	6.7	6.8	7.2	6.9	7.0	---	---	---	7.1	6.7	---
6	6.9	6.7	6.8	7.0	6.8	6.9	---	---	---	---	---	---
7	6.9	6.8	6.8	7.1	6.9	7.0	---	---	---	---	---	---
8	7.0	6.7	6.9	7.2	6.9	7.0	---	---	---	---	---	---
9	7.0	6.8	6.9	7.3	6.9	7.0	6.9	6.8	6.9	---	---	---
10	7.1	6.8	6.9	7.1	6.9	7.0	7.0	6.8	6.9	---	---	---
11	6.9	6.8	---	7.2	6.9	7.0	6.9	6.8	6.8	---	---	---
12	6.9	6.8	6.9	7.1	6.9	7.0	6.9	6.7	6.8	---	---	---
13	7.0	6.8	6.9	7.2	7.0	7.1	6.9	6.7	6.8	7.1	6.6	---
14	7.0	6.9	6.9	7.3	7.2	---	6.9	6.8	6.8	6.7	6.6	6.6
15	7.0	6.8	6.9	---	---	---	6.9	6.7	6.8	7.0	6.6	6.6
16	7.0	6.8	---	---	---	---	6.9	6.7	6.8	6.6	6.5	6.6
17	---	---	---	7.3	6.8	---	6.9	6.8	---	6.6	6.5	---
18	7.1	6.9	---	---	---	---	7.0	6.7	6.9	---	---	---
19	7.0	6.8	6.9	8.1	7.0	7.4	7.0	6.8	6.9	---	---	---
20	6.9	6.8	6.9	7.2	7.0	7.1	7.0	6.8	---	6.8	6.7	---
21	7.0	6.8	6.9	7.2	7.1	7.1	---	---	---	6.8	6.5	6.7
22	6.9	6.8	6.9	7.2	7.0	7.1	6.9	6.5	6.7	6.8	6.7	6.8
23	7.1	6.9	---	7.0	7.0	---	7.2	6.7	6.8	7.0	6.8	6.9
24	7.5	6.9	7.1	---	---	---	7.2	7.1	---	7.1	6.6	6.9
25	7.8	6.8	7.0	---	---	---	7.4	6.7	---	6.7	6.6	---
26	7.0	6.7	6.9	---	---	---	6.9	6.7	6.8	---	---	---
27	6.7	6.6	6.6	---	---	---	7.0	6.8	6.9	---	---	---
28	6.9	6.6	---	---	---	---	6.9	6.8	6.8	---	---	---
29	---	---	---	---	---	---	6.9	6.5	6.7	6.7	6.7	---
30	---	---	---	---	---	---	6.9	6.6	6.7	7.0	6.7	6.9
31	---	---	---	---	---	---	---	---	---	7.5	6.8	7.1
MONTH	7.8	6.6	6.9	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.5	6.7	---	---	---	6.6	6.5	6.5			
2	6.7	6.5	6.6	---	---	---	6.6	6.5	6.5			
3	6.9	6.7	6.8	---	---	---	6.5	6.5	6.5			
4	6.8	6.8	6.8	---	---	---	6.9	6.5	6.7			
5	7.3	6.8	7.0	---	---	---	7.0	6.8	6.9			
6	7.4	6.9	7.2	---	---	---	7.1	6.8	6.9			
7	7.0	6.8	6.9	---	---	---	7.0	6.8	6.9			
8	6.9	6.8	6.9	---	---	---	6.9	6.9	---			
9	6.9	6.7	6.8	---	---	---	6.9	6.8	6.9			
10	6.8	6.7	6.8	---	---	---	7.0	6.8	6.9			
11	6.6	6.7	6.7	---	---	---	6.9	6.7	---			
12	7.0	6.8	---	---	---	---	6.9	6.8	6.8			
13	---	---	---	---	---	---	6.9	6.8	6.9			
14	---	---	---	---	---	---	7.0	6.8	6.9			
15	---	---	---	6.7	6.7	---	6.9	6.9	6.9			
16	6.4	5.9	---	6.8	6.7	6.7	7.1	6.9	7.1			
17	5.9	5.8	5.9	6.9	6.8	6.8	7.1	7.1	7.1			
18	5.9	5.8	5.9	6.9	6.8	6.9	7.1	6.9	7.0			
19	6.1	5.9	5.9	7.1	6.8	6.9	6.9	6.7	---			
20	6.1	5.9	6.0	7.0	6.8	6.9	6.9	6.6	6.7			
21	6.0	5.9	5.9	6.9	6.7	6.8	---	---	---			
22	6.0	5.9	---	6.9	6.8	6.9	---	---	---			
23	6.1	6.0	---	6.9	6.8	---	---	---	---			
24	6.0	5.9	5.9	6.9	6.8	6.8	---	---	---			
25	6.1	5.9	6.0	6.9	6.8	6.8	6.6	6.5	---			
26	6.2	5.9	6.1	6.9	6.8	6.9	6.6	6.5	6.5			
27	6.2	5.8	6.0	6.9	6.9	6.9	6.6	6.5	6.5			
28	6.2	5.7	6.0	6.8	6.6	---	6.6	6.5	6.6			
29	6.3	5.7	6.0	6.6	6.5	---	---	---	---			
30	6.2	6.2	---	6.6	6.5	6.6	---	---	---			
31	---	---	---	6.6	6.5	6.5	---	---	---			
MONTH	7.4	5.7	---	---	---	---	---	---	---			

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	19.0	19.5	15.5	14.5	15.0	6.5	6.0	6.5	5.0	4.5	5.0
2	20.0	18.0	19.0	15.5	14.5	15.0	6.5	6.0	---	5.0	4.5	4.5
3	18.5	17.0	18.0	15.0	15.0	---	6.0	5.0	---	6.0	4.5	5.0
4	17.0	16.5	17.0	15.0	14.5	---	5.5	5.0	5.0	5.5	5.0	5.5
5	17.0	16.0	16.5	15.0	14.5	14.5	5.5	5.0	5.0	5.5	4.5	5.0
6	16.5	16.0	16.0	15.0	14.5	14.5	5.5	5.0	5.0	---	---	---
7	16.5	15.5	16.0	15.0	14.0	14.5	6.0	5.0	5.5	5.0	4.5	5.0
8	16.5	15.5	16.0	14.5	14.0	14.0	6.0	5.0	5.0	5.0	4.5	5.0
9	16.0	15.5	16.0	14.0	13.5	14.0	5.0	5.0	---	5.5	5.0	5.5
10	16.0	15.5	16.0	14.0	14.0	---	---	---	---	5.0	4.5	5.0
11	16.0	15.5	16.0	14.5	14.0	---	5.5	5.0	---	6.0	5.0	5.5
12	16.0	15.5	15.5	14.5	14.0	14.0	5.5	4.5	5.0	6.0	5.5	6.0
13	16.0	15.5	16.0	14.5	14.0	14.0	5.0	4.5	5.0	6.0	5.5	6.0
14	16.0	15.5	16.0	14.5	13.5	14.0	5.0	4.5	5.0	6.0	5.5	---
15	16.0	15.5	15.5	13.5	12.0	13.0	5.5	4.5	5.0	---	---	---
16	16.0	15.5	15.5	13.0	11.5	12.0	5.5	5.0	---	1.5	1.5	---
17	---	---	---	12.0	11.0	11.5	5.5	5.5	---	2.0	1.5	2.0
18	15.5	15.0	---	11.5	10.5	11.0	5.5	5.0	5.5	2.0	2.0	2.0
19	15.0	14.5	15.0	10.5	10.0	---	5.5	5.0	5.5	3.0	2.0	2.5
20	15.0	14.0	14.5	10.5	9.5	10.0	5.5	5.0	5.5	3.0	3.0	3.0
21	14.0	13.5	14.0	10.0	8.5	9.5	5.5	5.0	5.5	3.0	3.0	3.0
22	14.0	13.5	13.5	9.0	8.5	8.5	5.0	4.5	5.0	---	---	---
23	14.0	13.5	13.5	9.0	8.0	8.5	5.0	4.5	5.0	---	---	---
24	15.0	13.5	14.0	8.5	7.0	7.5	5.0	4.5	---	---	---	---
25	15.0	14.0	14.5	8.5	8.0	---	5.0	4.5	4.5	---	---	---
26	15.0	14.0	14.5	8.0	7.0	7.0	5.0	4.5	4.5	---	---	---
27	14.5	14.0	14.5	7.0	6.5	7.0	5.0	4.5	4.5	5.0	5.0	---
28	14.5	13.5	14.5	7.0	6.5	6.5	5.0	4.5	4.5	5.5	5.0	5.0
29	15.0	14.0	14.5	6.5	6.0	6.5	4.5	4.5	4.5	6.0	5.0	5.5
30	15.0	14.5	14.5	6.5	6.0	6.0	5.0	4.5	5.0	6.0	5.5	6.0
31	15.0	14.5	15.0	---	---	---	5.0	4.5	5.0	6.0	5.5	5.5
MONTH	20.0	13.5	15.5	15.5	6.0	11.0	6.5	4.5	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	5.5	5.5	4.5	4.0	4.5	8.0	4.5	6.5	14.5	14.5	14.5
2	6.0	5.5	5.5	4.5	4.0	4.5	8.0	5.5	---	14.5	14.0	14.5
3	6.0	5.5	5.5	4.5	4.0	4.0	8.0	7.0	7.5	15.0	14.5	14.5
4	5.5	5.0	5.5	4.0	4.0	---	8.0	7.0	7.5	14.5	14.5	14.5
5	5.5	4.0	4.5	4.5	4.0	4.0	7.0	7.0	7.0	15.0	14.5	14.5
6	4.5	4.0	4.0	4.5	4.0	4.5	7.0	5.5	6.5	15.0	14.5	14.5
7	4.5	3.5	4.0	4.5	4.0	4.5	5.5	5.0	---	15.0	14.5	15.0
8	4.0	3.5	3.5	4.0	4.0	4.0	5.5	5.5	5.5	15.5	15.0	15.5
9	3.5	3.0	3.5	4.5	4.0	4.0	6.0	5.5	5.5	16.0	15.5	16.0
10	3.5	3.0	3.0	4.5	4.0	4.5	6.5	5.5	6.0	16.5	16.0	16.0
11	3.5	3.0	3.0	5.0	4.5	4.5	7.0	6.0	6.5	19.5	16.0	16.5
12	3.5	3.0	3.0	5.5	5.0	5.0	8.0	6.5	7.0	17.0	16.5	---
13	3.0	3.0	3.0	5.0	5.0	5.0	8.5	7.0	8.0	17.0	17.0	---
14	3.0	3.0	3.0	5.0	5.0	---	9.0	8.0	8.5	18.0	17.0	17.5
15	3.0	3.0	3.0	---	---	---	9.0	8.0	8.5	18.5	18.0	18.5
16	3.0	3.0	---	---	---	---	10.0	9.0	10.0	19.0	18.5	19.0
17	---	---	---	6.0	5.0	---	11.0	10.0	10.5	21.5	19.0	20.0
18	3.5	3.0	---	---	---	---	11.0	10.5	10.5	21.5	19.5	20.5
19	4.0	3.5	3.5	7.0	6.0	6.5	11.5	11.0	11.0	21.0	20.0	---
20	4.0	3.5	4.0	7.0	6.5	7.0	11.5	11.0	---	20.0	20.0	---
21	5.0	4.0	4.5	8.5	7.0	8.0	---	---	---	20.5	20.0	20.0
22	5.5	4.5	5.0	8.5	7.0	8.0	11.5	11.0	11.0	21.0	20.5	20.5
23	6.0	5.0	5.5	8.0	6.5	---	13.0	11.5	12.0	21.5	21.0	21.5
24	6.0	5.0	5.5	---	---	---	13.5	12.0	13.0	22.0	21.5	21.5
25	6.5	5.5	6.0	---	---	---	14.0	12.0	13.5	22.0	21.5	---
26	6.5	4.0	5.5	---	---	---	14.0	13.5	14.0	---	---	---
27	4.5	4.0	4.0	---	---	---	14.0	13.5	14.0	---	---	---
28	4.5	4.0	---	---	---	---	14.0	14.0	14.0	---	---	---
29	---	---	---	---	---	---	14.5	13.5	14.0	23.5	23.5	---
30	---	---	---	---	---	---	14.5	14.0	14.5	23.5	23.0	23.5
31	---	---	---	---	---	---	---	---	---	23.5	23.0	23.5
MONTH	6.5	3.0	4.5	---	---	---	14.5	4.5	9.5	23.5	14.0	---

DELAWARE RIVER BASIN

01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	23.5	23.5	---	---	---	26.0	25.0	25.5	---	---	---
2	23.5	23.0	23.5	---	---	---	26.5	25.5	26.0	---	---	---
3	23.5	23.5	23.5	---	---	---	26.5	26.0	26.5	25.0	24.5	---
4	23.5	23.5	23.5	---	---	---	27.0	26.5	27.0	24.5	24.5	24.5
5	23.5	22.0	23.5	---	---	---	27.0	26.5	27.0	24.5	24.5	24.5
6	23.5	23.0	23.0	---	---	---	27.0	26.5	26.5	24.5	24.0	24.5
7	23.0	22.0	23.0	23.5	23.5	---	26.5	26.0	26.0	24.5	24.0	24.0
8	22.0	21.5	21.5	24.0	23.5	23.5	26.0	25.5	26.0	24.5	23.5	---
9	22.0	20.0	21.0	24.0	23.5	23.5	26.0	25.5	26.0	24.0	24.0	24.0
10	20.5	20.0	20.5	24.0	23.5	23.5	26.0	25.5	26.0	24.0	23.0	23.5
11	20.5	19.5	20.0	24.0	23.5	23.5	26.0	26.0	---	23.0	23.0	23.0
12	20.0	19.0	19.5	23.5	23.0	23.5	26.0	26.0	26.0	23.0	23.0	---
13	19.5	19.0	19.5	23.0	22.0	---	26.5	26.0	26.5	---	---	---
14	20.0	19.5	20.0	---	---	---	26.5	26.0	26.5	---	---	---
15	20.5	20.0	20.5	24.5	23.5	---	26.5	26.0	26.5	---	---	---
16	21.0	20.0	20.5	23.5	22.0	23.5	26.0	25.5	26.0	---	---	---
17	21.5	20.5	21.0	24.0	23.0	23.5	26.0	25.5	25.5	---	---	---
18	22.0	21.0	21.5	24.5	23.5	24.0	26.0	25.5	25.5	21.5	21.0	---
19	23.0	22.0	22.5	24.5	24.0	24.5	25.5	25.5	---	21.5	21.0	21.0
20	23.5	23.0	23.5	25.0	24.5	24.5	25.5	25.0	25.5	21.5	21.0	21.5
21	24.0	23.0	23.5	25.5	24.5	25.0	25.5	25.5	25.5	21.5	21.0	21.5
22	23.5	23.5	---	25.5	24.5	25.0	25.5	25.0	25.0	21.5	21.0	21.0
23	24.5	23.5	---	26.0	25.5	25.5	---	---	---	21.0	21.0	21.0
24	24.5	24.0	24.5	26.0	25.5	26.0	---	---	---	20.5	19.5	---
25	25.5	24.5	25.0	26.0	25.5	25.5	26.0	26.0	---	19.5	19.0	---
26	25.0	24.5	25.0	25.5	25.0	25.0	26.5	26.0	26.0	---	---	---
27	25.0	24.5	24.5	25.5	25.0	25.0	26.5	26.0	26.5	---	---	---
28	25.0	24.5	24.5	26.0	25.5	---	26.5	26.5	26.5	19.0	19.0	---
29	25.0	24.5	25.0	26.0	25.5	25.5	26.5	25.0	---	19.0	17.0	18.0
30	24.5	24.5	---	26.0	25.0	25.5	---	---	---	18.0	17.0	17.5
31	---	---	---	26.0	25.0	25.5	---	---	---	---	---	---
MONTH	25.5	19.0	22.5	---	---	---	27.0	25.0	---	---	---	---

01467300 DELAWARE RIVER AT WHARTON STREET, PHILADELPHIA, PA.

LOCATION.--Lat 39°44'54", long 75°08'11", Philadelphia County, at center of river on a line between piers 53 and 55 South through channel station +22.6 to coal pier on New Jersey side of river.

DRAINAGE AREA.--8,000 mi^2 (20,700 km^2).

PERIOD OF RECORD.--Chemical analyses: August 1949 to September 1968, October 1968 to September 1970 (partial-record station), February 1974 to September 1975.

REMARKS.--Samples collected about 5 to 15 ft (2 to 5 m) from bottom.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.												
17...	1055	4.1	110	160	15	5.3	9.0	2.3	42	34	28	11
NOV.												
14...	1005	3.8	50	90	20	7.0	16	2.8	57	47	40	18
DEC.												
05...	1200	4.1	1100	90	14	4.7	9.5	1.8	37	30	24	12
JAN.												
09...	1120	5.8	90	150	18	5.9	12	1.8	35	29	37	15
FEB.												
06...	1103	5.3	150	140	16	4.8	12	1.4	32	26	31	17
MAR.												
13...	1145	4.7	70	120	13	4.0	7.4	1.7	31	25	25	11
APR.												
03...	1050	4.4	80	100	12	4.1	7.2	1.5	28	23	22	11
MAY												
08...	1035	2.6	140	50	17	5.4	8.5	1.7	46	38	27	12
JUNE												
05...	1130	2.8	60	80	18	4.2	9.4	2.1	37	30	25	14
JULY												
10...	1045	4.0	50	70	25	6.3	10	2.4	47	39	27	14
AUG.												
21...	1045	2.3	40	10	19	8.0	11	2.5	56	46	31	12
SEP.												
11...	1050	.3	30	50	25	8.5	15	2.9	60	49	41	17

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT.											
17...	.2	.94	.05	.99	2.6	116	108	59	25	188	15.0
NOV.											
14...	.2	1.1	.07	1.2	.40	153	143	79	32	275	12.5
DEC.											
05...	.1	.77	.02	.79	.80	101	96	54	24	170	4.5
JAN.											
09...	.1	2.5	.24	2.7	.83	136	128	69	41	220	5.5
FEB.											
06...	.2	1.6	.02	1.6	.48	126	112	60	33	194	3.0
MAR.											
13...	.2	.79	.02	.81	.31	93	87	49	24	163	5.0
APR.											
03...	.1	.98	.02	1.0	1.9	88	87	47	24	135	8.5
MAY											
08...	.1	1.3	.13	1.4	.08	99	104	65	27	183	15.0
JUNE											
05...	.0	.70	.10	.80	.13	101	98	62	32	170	23.0
JULY											
10...	.1	1.1	.21	1.3	.12	132	118	88	50	183	26.0
AUG.											
21...	.1	1.3	.11	1.4	.11	146	120	80	34	232	25.5
SEP.											
11...	.1	2.1	.12	2.2	.64	191	151	97	48	274	22.0

01467400 DELAWARE RIVER AT LEAGUE ISLAND, PHILADELPHIA, PA.

LOCATION.--Lat 39°52'56", long 75°10'43", Philadelphia County, at center of river on a line from north side of naval yard pier 4 through channel station +51.3 to a covered wharf at Red Bank, N.J. (below ferry slip).

DRAINAGE AREA.--8,070 mi^2 (20,900 km^2).

PERIOD OF RECORD.--Chemical analyses: August 1949 to September 1968, October 1968 to September 1970 (partial-record station), February 1974 to September 1975.

REMARKS.--Samples collected about 5 to 15 ft (2 to 5 m) from bottom.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT. 17...	1015	4.5	80	210	15	5.4	12	2.6	39	32	35	14
NOV. 14...	0940	4.5	50	160	20	7.6	18	3.3	44	36	58	22
DEC. 05...	1050	4.4	480	120	17	5.8	12	2.5	35	29	37	16
JAN. 09...	1045	6.3	1000	180	17	6.1	13	1.9	39	32	40	17
FEB. 06...	1025	5.9	130	120	18	5.3	13	1.5	38	31	31	19
MAR. 13...	1110	4.9	70	120	13	3.9	8.3	1.8	26	21	29	13
APR. 03...	1010	5.1	100	120	16	4.8	8.3	1.6	30	25	27	13
MAY 08...	1010	3.2	100	70	17	5.5	9.5	2.0	40	33	32	13
JUNE 05...	1100	3.1	60	70	16	4.2	11	2.2	39	32	28	16
JULY 10...	1005	2.5	60	60	22	6.4	12	2.5	46	38	29	16
AUG. 21...	1000	1.4	10	30	21	8.5	14	2.9	53	43	40	16
SEP. 11...	1010	.7	20	80	26	9.9	17	3.2	50	41	57	20

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT. 17...	.3	.90	.05	.95	1.4	126	117	60	28	214	16.0
NOV. 14...	.2	1.0	.08	1.1	.57	181	162	81	45	300	12.5
DEC. 05...	.2	.89	.03	.92	1.0	119	120	66	38	219	6.0
JAN. 09...	.1	1.3	.05	1.3	.77	124	130	68	36	240	6.0
FEB. 06...	.3	1.3	.03	1.3	.05	108	119	67	36	211	3.5
MAR. 13...	.2	.97	.03	1.0	.06	97	92	49	27	169	5.0
APR. 03...	.0	.86	.03	.89	1.4	100	99	60	35	160	8.0
MAY 08...	.1	.83	.04	.87	.06	96	106	65	32	196	15.0
JUNE 05...	.1	.78	.11	.89	.13	119	104	57	25	195	23.0
JULY 10...	.2	1.2	.18	1.4	.13	142	120	81	44	212	26.0
AUG. 21...	.1	1.2	.12	1.3	.02	167	136	87	44	259	24.0
SEP. 11...	.3	1.7	.14	1.8	.77	196	169	110	65	309	22.0

01467470 SCHUYLKILL RIVER AT PORT CARBON, PA.

LOCATION.--Lat 40°41'42", long 76°09'37", Schuylkill County, on left bank, 1,500 ft (457 m) upstream from Mill Creek, 2 mi (3.2 km) east of Pottsville.

DRAINAGE AREA.--27.1 mi^2 (70.2 km^2).

PERIOD OF RECORD.--Sediment records: April to September 1975.

EXTREMES.--1974-75:
Sediment concentrations: Maximum, 2,570 mg/l Sept. 24; minimum, 10 mg/l on several days during May, June, August, September.
Sediment discharges: Maximum, 1,710 tons (1,551 t) Sept. 24; minimum, 0.54 tons (0.49 t) Sept. 17.

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	---	---	---	47	40	5.1	47	85	11
2	---	---	---	46	25	3.1	40	70	7.6
3	---	---	---	43	10	1.2	39	40	4.2
4	---	---	---	94	158	49	36	35	3.4
5	---	---	---	99	50	13	49	89	13
6	---	---	---	101	75	20	90	360	96
7	---	---	---	96	100	26	63	45	7.7
8	---	---	---	86	175	41	55	40	5.9
9	---	---	---	79	125	27	52	75	11
10	---	---	---	75	23	4.7	48	225	29
11	---	---	---	70	20	3.8	47	700	89
12	---	---	---	86	290	97	65	245	43
13	---	---	---	93	100	25	58	25	3.9
14	---	---	---	79	40	8.5	53	25	3.6
15	---	---	---	75	100	20	50	25	3.4
16	---	---	---	86	100	23	48	25	3.2
17	---	---	---	75	70	14	46	30	3.7
18	---	---	---	71	125	24	44	40	4.8
19	---	---	---	67	35	6.3	43	50	5.8
20	---	---	---	65	35	6.1	43	30	3.5
21	---	---	---	62	30	5.0	39	15	1.6
22	41	30	3.3	60	50	8.1	37	15	1.5
23	41	25	2.8	54	80	12	36	10	.97
24	44	24	2.9	57	84	13	34	10	.92
25	56	32	5.0	66	76	14	34	70	6.4
26	54	35	5.1	56	20	3.0	39	125	13
27	48	25	3.2	52	20	2.8	45	132	20
28	44	30	3.6	48	20	2.6	86	640	172
29	43	25	2.9	45	40	4.9	83	213	77
30	43	20	2.3	44	20	2.4	84	175	40
31	---	---	---	48	95	12	---	---	---
MONTH	---	---	---	2125	---	497.6	1533	---	686.09

DELAWARE RIVER BASIN

01467470 SCHUYLKILL RIVER AT PORT CARBON, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	63	90	15	58	30	4.7	26	15	1.1
2	57	75	12	54	24	3.5	27	40	2.9
3	63	200	40	49	25	3.3	27	60	4.4
4	58	60	9.4	46	25	3.1	25	24	1.6
5	56	55	8.3	43	28	3.3	23	23	1.4
6	54	50	7.3	45	40	4.9	25	22	1.5
7	50	25	3.4	42	20	2.3	22	12	.71
8	48	30	3.9	38	25	2.6	21	15	.85
9	39	40	4.2	36	15	1.5	21	22	1.2
10	38	40	4.1	34	13	1.2	21	14	.79
11	36	40	3.9	33	20	1.8	21	11	.62
12	36	40	3.9	32	11	.95	30	136	13
13	52	360	62	33	35	3.1	23	22	1.4
14	105	630	190	32	20	1.7	21	20	1.1
15	76	120	25	30	14	1.1	20	20	1.1
16	71	125	24	36	45	4.4	20	12	.65
17	69	75	14	30	15	1.2	20	10	.54
18	62	100	17	29	10	.78	21	15	.85
19	59	70	11	27	10	.73	31	106	10
20	56	180	27	27	10	.73	25	22	1.5
21	59	160	25	26	10	.70	28	86	6.5
22	51	45	6.2	30	40	3.2	22	35	2.1
23	47	40	5.1	27	40	2.9	36	160	16
24	68	798	449	28	40	3.0	155	2570	1710
25	254	1380	1360	27	40	2.9	325	1500	1410
26	145	230	90	26	20	1.4	391	1260	1510
27	118	180	57	26	15	1.1	335	480	434
28	98	145	38	24	10	.65	229	190	117
29	86	100	23	26	20	1.4	161	150	65
30	70	100	19	39	175	20	126	100	34
31	64	40	6.9	27	18	1.3	---	---	---
MONTH	2208	---	2564.6	1060	---	85.44	2278	---	5351.81

01470500 SCHUYLKILL RIVER AT BERNE, PA.

LOCATION.--Lat 40°31'20", long 75°59'55", Berks County, at highway bridge 50 ft (15 m) downstream from gaging station at Berne, 0.5 mi (0.8 km) upstream from Mill Creek, and 6.5 mi (10.5 km) downstream from Little Schuylkill River.

DRAINAGE AREA.--355 mi^2 (919 km^2).

PERIOD OF RECORD.--Chemical analyses: December 1947 to February 1953, October 1956 to September 1975.
Water temperatures: February 1948 to September 1953, December 1957 to September 1975.
Sediment records: October 1947 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 674 micromhos Oct. 29; minimum daily, 127 micromhos Sept. 27.
Water temperatures: Maximum daily, 29.0°C July 1, 8-10; minimum daily, 1.0°C Feb. 10.
Sediment concentrations: Maximum daily, 200 mg/l Dec. 8; minimum daily, 1 mg/l on many days.
Sediment discharges: Maximum daily, 3,570 tons (3,239 t) Dec. 8; minimum daily, 0.85 tons (0.77 t) Nov. 18, 19.

Period of record:
Specific conductance (1963-75): Maximum daily, 1,410 micromhos Oct. 25, 26, 28, 1964; minimum daily, 127 micromhos Sept. 27, 1975.
Water temperatures: Maximum daily, 33.0°C July 3, 1966; minimum, freezing point on many days during winter periods.
Sediment concentrations: Maximum daily, 8,030 mg/l Nov. 4, 1947; minimum daily, 0 mg/l on many days during 1952 and 1968.
Sediment discharges: Maximum daily, 90,180 tons (81,800 t) Nov. 12, 1947; minimum daily, 0 tons (0 t) on many days during 1952 and 1968.

REMARKS.--Unpublished records of specific conductance and pH of sediment samples available in the district office at Harrisburg.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL ACIDITY AS CACO3 (MG/L)	TOTAL ACIDITY AS H+ (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT.									
08...	1000	308	293	12	4.0	.1	560	5.7	11.0
NOV.									
05...	1020	245	370	17	2.0	.0	640	6.8	15.0
DEC.									
02...	1420	582	164	13	--	--	392	7.3	3.0
JAN.									
08...	0930	462	183	12	--	--	375	7.2	3.0
FEB.									
06...	0945	885	103	13	7.0	.2	277	7.1	3.0
MAR.									
10...	0830	650	150	14	5.0	.1	480	6.8	4.0
APR.									
07...	1030	1335	91	9.0	5.0	.1	287	5.8	5.0
MAY									
05...	0940	2254	90	9.0	4.0	.1	250	6.4	11.0
JUNE									
03...	1145	448	180	10	2.0	.0	430	6.9	21.0
JULY									
14...	1000	1820	160	12	4.0	--	420	6.4	26.0
30...	0930	675	99	9.0	2.0	--	293	6.7	20.0
SEP.									
03...	0910	347	280	12	4.0	.1	575	6.5	18.0

DELAWARE RIVER BASIN

01470500 SCHUYLKILL RIVER AT BERNE, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	399	522	303	301	298	286	263	288	366	287	313	555
2	373	526	452	315	269	250	327	301	403	346	316	612
3	375	552	414	326	284	273	269	307	404	375	287	601
4	407	595	381	354	241	243	194	252	341	287	441	537
5	403	669	349	339	251	260	200	248	326	256	341	513
6	413	586	331	459	276	275	232	170	270	377	335	487
7	506	476	333	482	301	297	236	185	195	343	345	508
8	557	551	388	363	299	305	291	196	372	399	355	578
9	527	538	147	260	287	363	294	212	328	394	378	633
10	450	525	199	169	371	373	322	311	272	370	491	643
11	457	531	196	197	319	364	327	205	301	476	488	590
12	474	544	198	200	312	304	346	311	306	485	433	534
13	498	485	234	198	316	333	368	260	279	467	453	571
14	566	440	243	204	340	339	367	217	248	383	478	560
15	587	377	295	227	343	326	383	216	303	213	466	619
16	508	381	324	222	333	370	402	226	372	242	448	646
17	479	402	188	269	408	424	398	217	345	268	530	648
18	464	414	184	194	384	364	422	237	329	268	376	644
19	444	463	204	304	292	328	423	306	353	272	---	592
20	469	429	206	316	251	143	397	214	367	241	---	575
21	438	410	240	289	247	167	359	270	366	312	---	531
22	528	383	254	320	254	158	371	276	372	266	---	555
23	621	400	331	301	256	220	380	292	440	284	---	568
24	582	382	264	319	172	216	377	295	492	306	---	387
25	509	512	274	334	137	220	385	264	421	224	---	137
26	496	530	270	321	156	234	352	246	415	251	---	129
27	520	429	265	287	186	302	312	370	423	238	---	127
28	553	394	288	253	190	293	307	262	400	259	---	221
29	674	381	312	232	---	312	309	314	356	253	502	140
30	638	352	406	196	---	272	305	310	285	264	499	259
31	567	---	421	212	---	292	---	363	---	302	528	---
MONTH	499	472	286	282	273	295	331	263	349	313	---	498

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	13.5	2.5	4.5	4.5	6.5	10.0	12.5	20.0	29.0	26.0	19.0
2	13.0	16.0	4.0	3.0	4.0	5.0	10.0	14.0	23.0	26.5	24.0	19.5
3	12.0	15.0	3.0	3.0	3.5	5.0	8.0	14.0	22.0	26.0	26.0	18.0
4	9.5	15.0	2.5	4.0	2.0	3.0	4.5	14.0	24.0	27.0	26.0	21.0
5	14.0	15.0	3.0	2.0	3.0	4.0	5.0	12.0	20.0	26.5	25.0	20.0
6	14.5	12.0	3.0	2.0	4.0	5.0	6.0	11.5	17.0	26.5	21.0	22.0
7	15.0	14.5	3.0	3.0	2.0	6.5	6.0	13.5	16.5	27.0	18.5	19.0
8	12.5	10.0	7.0	4.0	2.5	6.5	7.0	15.0	17.0	29.0	20.0	22.5
9	---	13.5	7.5	5.0	2.0	4.0	7.0	15.5	18.5	29.0	21.0	18.0
10	12.0	11.0	4.5	6.5	1.0	3.5	9.0	15.5	20.0	29.0	24.0	24.0
11	15.0	8.0	4.0	7.5	3.0	4.0	9.5	15.5	18.0	28.0	23.5	20.0
12	15.5	9.0	6.0	7.5	2.0	5.0	11.0	17.0	17.0	26.0	23.0	18.0
13	16.0	8.0	6.5	5.0	2.0	6.0	9.0	17.0	19.0	26.0	23.0	19.0
14	15.0	7.0	6.0	4.0	2.0	4.0	9.0	18.0	19.0	25.5	25.5	15.0
15	14.0	6.5	5.0	4.0	2.0	6.0	9.0	18.5	19.0	27.0	25.0	15.0
16	12.0	5.5	5.5	4.0	3.0	5.5	10.5	18.0	19.5	25.0	22.5	16.0
17	15.0	6.0	6.0	4.0	4.0	9.0	13.0	19.0	23.0	25.0	22.0	17.0
18	9.0	5.0	5.5	4.0	6.0	7.0	12.0	17.0	24.0	24.0	24.0	17.0
19	11.0	7.0	4.0	4.0	5.0	9.0	13.0	19.5	23.0	23.0	24.0	18.0
20	9.0	7.0	5.0	4.0	5.0	7.0	11.5	19.0	26.0	22.5	21.0	19.0
21	6.0	6.0	4.0	2.0	5.0	8.0	13.0	20.0	24.0	24.0	22.0	18.0
22	11.0	5.0	5.0	3.0	5.5	8.0	14.0	22.0	25.0	24.0	20.5	20.0
23	8.0	4.0	5.0	4.0	6.5	10.0	15.0	23.0	25.0	24.0	23.0	17.0
24	11.0	6.0	5.0	2.0	7.0	9.0	15.0	22.0	27.5	25.0	24.0	15.0
25	10.0	6.0	4.5	4.0	7.0	10.0	15.0	22.0	27.0	25.0	25.0	15.0
26	10.0	6.0	4.5	4.0	6.5	9.0	15.0	19.0	27.5	22.0	23.0	16.0
27	12.0	4.0	5.0	4.0	6.5	5.0	14.5	20.5	27.0	21.0	24.0	15.0
28	11.0	4.0	3.0	4.0	6.0	6.0	14.0	22.5	28.0	22.0	28.0	15.0
29	10.0	3.5	5.0	5.0	---	6.0	12.0	23.0	25.0	21.5	24.0	15.0
30	12.5	1.5	6.0	5.0	---	7.0	15.0	20.5	25.0	23.0	22.0	15.0
31	14.5	---	4.0	6.0	---	7.0	---	19.0	---	22.0	21.0	---
MONTH	12.0	8.5	4.5	4.0	4.0	6.5	11.0	17.5	22.0	25.0	23.5	18.0

DELAWARE RIVER BASIN

01470500 SCHUYLKILL RIVER AT BERNE, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	465	2	2.5	213	7	4.0	371	4	4.0
2	402	2	2.2	213	3	1.7	523	11	16
3	357	3	2.9	277	9	6.7	506	10	14
4	336	1	.91	271	8	5.9	432	6	7.0
5	323	1	.87	224	5	3.0	409	4	4.4
6	329	1	.89	224	3	1.8	386	2	2.1
7	323	4	3.5	207	5	2.8	357	3	2.9
8	277	4	3.0	196	5	2.6	4670	200	3570
9	271	2	1.5	196	6	3.2	4520	55	671
10	271	5	3.7	190	3	1.5	2550	14	96
11	264	4	2.9	185	2	1.0	1810	6	29
12	264	2	1.4	218	4	2.4	1450	8	31
13	277	4	3.0	532	22	32	1210	14	46
14	277	3	2.2	350	6	5.7	1080	10	29
15	252	3	2.0	379	2	2.0	977	6	16
16	394	6	6.4	336	1	.91	1810	20	98
17	489	5	5.5	323	1	.87	2550	24	165
18	303	5	4.1	316	1	.85	1980	14	75
19	264	4	2.9	316	1	.85	1590	12	52
20	283	4	3.1	329	2	1.0	1340	10	36
21	277	4	3.0	425	3	3.4	1160	9	28
22	247	7	4.7	394	1	1.1	1070	7	20
23	241	6	3.9	343	1	.93	935	9	23
24	230	8	5.0	364	3	2.9	855	10	23
25	230	4	2.5	379	5	5.1	807	10	22
26	235	5	3.0	357	7	6.7	731	7	14
27	247	5	3.3	350	5	4.7	677	4	7.3
28	247	5	3.3	350	4	3.8	642	5	8.7
29	218	7	4.1	336	2	1.8	625	5	8.4
30	207	4	2.2	343	2	1.9	591	6	9.6
31	207	6	3.4	---	---	---	533	8	12
MONTH	8927	---	94.67	9136	---	113.91	39147	---	5140.4

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	574	9	14	1480	6	24	1590	5	21
2	565	6	9.2	1280	5	17	1350	5	18
3	501	5	6.8	1110	6	18	1150	6	19
4	501	4	5.4	967	6	16	998	7	19
5	509	5	6.9	935	4	10	885	4	9.6
6	478	8	10	905	4	9.8	826	2	4.5
7	470	9	11	835	2	4.5	769	1	2.1
8	463	7	8.8	731	1	2.0	788	2	4.3
9	1930	70	365	695	4	7.5	677	4	7.3
10	2130	25	144	625	1	1.7	633	5	8.5
11	2050	12	66	591	3	4.8	608	7	11
12	1950	15	79	582	1	1.6	642	5	8.7
13	2100	20	113	565	1	1.5	686	3	5.6
14	1800	7	34	501	1	1.4	616	3	5.0
15	1490	5	20	485	7	9.2	625	5	8.4
16	1280	6	21	501	5	6.8	642	6	10
17	1110	2	6.0	525	7	9.9	650	4	7.0
18	1020	1	2.8	826	6	13	722	5	550
19	998	4	11	998	7	19	1730	50	2800
20	956	5	13	998	15	40	6580	150	2660
21	750	6	12	895	25	60	4800	28	302
22	722	4	7.8	855	8	18	2700	14	102
23	668	4	7.2	1170	10	32	2190	10	59
24	642	4	6.9	3040	100	821	1810	8	39
25	797	12	26	5080	83	1140	1660	6	27
26	1410	28	107	3420	18	166	1370	5	18
27	1100	14	42	2400	11	71	1200	7	23
28	956	7	18	1870	5	25	1130	10	31
29	1630	22	97	---	---	---	1070	8	23
30	2010	14	76	---	---	---	1250	7	24
31	1740	8	38	---	---	---	1070	5	14
MONTH	35300	---	1384.8	34865	---	2550.7	42617	---	6841.0

DELAWARE RIVER BASIN

01470500 SCHUYLKILL RIVER AT BERNE, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	956	6	15	582	1	1.6	642	9	16
2	885	3	7.2	688	2	3.3	517	6	8.4
3	1990	48	258	565	1	1.5	448	8	9.7
4	2350	20	127	1490	45	181	410	8	8.9
5	1870	10	50	2170	20	117	695	14	23
6	1540	7	29	1880	10	49	1820	53	260
7	1320	6	21	1590	10	43	1230	17	56
8	1140	8	25	1270	8	27	998	14	38
9	1030	5	14	1180	5	15	845	12	27
10	925	5	12	1010	3	8.2	768	9	19
11	865	5	12	915	1	2.5	695	12	23
12	797	5	11	905	10	24	1020	20	55
13	722	4	7.8	1400	25	94	1070	13	38
14	677	4	7.3	1190	23	74	865	9	21
15	650	4	7.0	1040	7	20	816	5	11
16	625	8	13	1140	12	38	740	9	18
17	599	5	8.1	1020	7	19	677	12	22
18	557	3	4.5	935	6	15	616	8	13
19	565	2	3.1	875	5	12	590	9	14
20	533	4	5.8	807	2	4.4	624	7	12
21	470	4	5.1	750	2	4.1	525	6	8.5
22	448	4	4.8	713	4	7.7	493	7	9.3
23	418	2	2.3	722	4	7.8	455	8	9.8
24	463	2	2.5	650	5	8.8	418	6	6.8
25	677	4	7.3	713	2	3.9	389	5	5.3
26	807	7	15	713	4	7.7	481	8	10
27	633	4	6.8	625	8	10	498	12	16
28	591	2	3.2	557	4	6.0	2190	55	300
29	582	2	3.1	501	5	6.8	2920	35	276
30	549	2	3.0	485	5	6.5	1670	18	81
31	---	---	---	541	7	10	---	---	---
MONTH	26234	---	690.9	29422	---	828.8	26027	---	1415.7

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	988	6	16	677	4	7.3	375	10	10
2	826	4	8.9	625	6	10	375	8	8.1
3	768	6	12	608	3	4.9	320	5	4.3
4	759	5	10	625	6	10	295	4	3.2
5	616	6	10	722	12	23	282	4	3.0
6	574	3	4.7	549	9	13	314	3	2.5
7	581	4	5.4	565	6	9.2	308	5	4.2
8	582	5	7.9	582	3	4.7	282	5	3.8
9	549	3	4.4	448	2	2.4	257	4	2.8
10	541	2	2.9	440	2	2.4	239	3	1.9
11	485	3	3.9	425	2	2.3	239	4	2.6
12	448	2	2.4	396	2	2.1	288	6	4.7
13	637	10	17	389	4	4.2	327	7	6.2
14	1020	45	221	463	7	8.8	275	7	5.2
15	1540	30	125	368	10	9.9	257	5	3.
16	1260	14	48	606	11	18	239	3	[illegible]
17	1340	12	43	517	6	8.4	239	4	[illegible]
18	1080	5	15	432	7	8.2	[illegible]	3	1.9
19	1640	4	11	382	5	5.2	[illegible]	8	7.5
20	1170	120	560	347	7	6.6	[illegible]	5	5.2
21	1360	43	158	320	8	6.9	368	4	4.0
22	977	15	40	334	10	9.0	288	5	3.9
23	816	8	18	327	7	6.2	501	14	19
24	740	15	30	327	7	6.2	2840	110	1250
25	3780	140	1430	340	5	4.6	7180	108	2160
26	2480	40	268	308	3	2.5	6950	94	1990
27	1670	18	81	327	5	4.4	6750	65	1180
28	1280	7	24	288	5	3.9	3510	18	171
29	1020	4	11	288	9	7.0	2290	10	62
30	865	4	9.3	549	20	30	1780	5	23
31	759	3	6.1	433	8	9.4	---	---	---
MONTH	33291	---	3203.9	14009	---	258.7	38250	---	6948.0
YEAR	337225		29463.48						

DELAWARE RIVER BASIN

01470500 SCHUYLKILL RIVER AT BERNE, PA.--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
DEC.						
08...	1605	9320	7.0	446	11200	80
FEB.						
24...	1830	4500	7.0	171	2080	75
24...	2330	5400	7.0	129	1880	79
25...	0710	5400	5.0	108	1570	80
MAR.						
19...	2330	6950	10.0	257	4820	78
APR.						
03...	1820	3170	8.0	50	420	81
JULY						
28...	1600	2110	22.5	1120	6380	96
SEP.						
24...	1730	5300	15.0	190	2720	84
25...	1030	8120	15.0	175	3840	780

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM
DEC.							
08...	1605	--	29	37	49	61	70
FEB.							
24...	2330	173	19	34	49	62	72
MAR.							
19...	2330	201	19	31	43	54	70
JULY							
28...	1600	--	--	45	59	75	84

DATE	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM	SUS. SED. SIEVE DIAM. % FINER THAN 2.00 MM	PER CENT COAL	COAL DISCHARGE (T/DAY)
DEC.							
08...	83	89	93	98	100	--	--
FEB.							
24...	83	90	97	99	100	3	50
MAR.							
19...	89	96	97	100	--	1	40
JULY							
28...	97	99	100	--	--	--	--

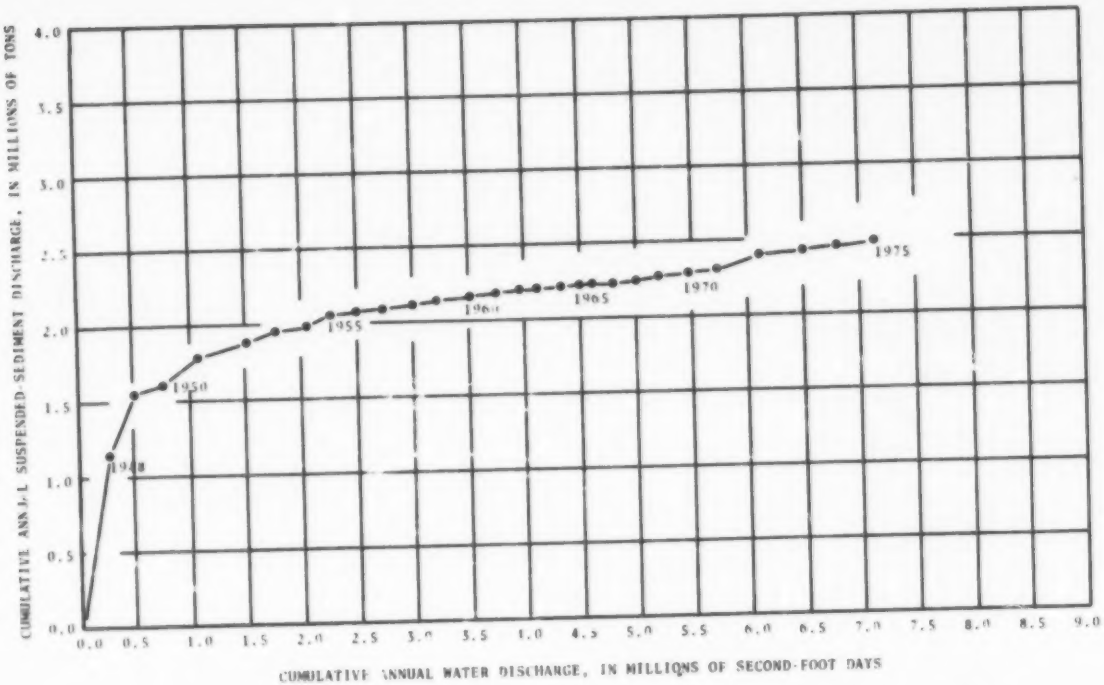

Figure 5.--Double mass accumulation of annual suspended sediment discharge versus annual water discharge, Schuylkill River at Berne, Pa.

Table 6.--Suspended sediment concentration-duration table, Schuylkill River at Berne

Period	Mean daily concentration, in milligrams per litre, that was equaled or exceeded for indicated percentage of time													
	1	2	5	10	20	30	40	50	60	70	80	90	95	99
1975	120	93	47	19	11	8	6	5	5	4	4	3	2	1
1960-75	93	53	25	15	9	6	5	4	3	3	2	2	1	1

01470726 SACONY CREEK AT SALLY ANN FURNACE, NEAR BOWERS, PA.

LOCATION.--Lat 40°28'13", long 75°43'00", Berks County, along south side of Bowers-Honningsville Road, 0.5 mi (0.8 km) east of Sally Ann, 0.8 mi (1.3 km) upstream from Little Sacony Creek, and 1.8 mi (2.9 km) southeast of Bowers.

DRAINAGE AREA.--3.32 mi^2 (8.60 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY								
31...	1315	2.6	30	0	25	11	2.5	1.3
SEP.								
26...	1500	1.6	32	0	26	11	3.6	1.3

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY									
31...	--	--	--	--	--	120	7.7	19.0	5
SEP.									
26...	.03	.50	.53	.01	.01	120	7.5	13.5	0

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY								
31...	8.4	89	29	.2	1.0	310	7	.05
SEP.								
26...	10.2	97.	5	1.4	1.6	110	7	.03

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP.							
26...	1500	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP.						
26...	.00	.00	.00	.00	.0	0

DELAWARE RIVER BASIN

01470726 SACONY CREEK AT SALLY ANN FURNACE, NEAR BOWERS, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
14...	1230	4.2	26	0	21	25	4.0	1.1	--
JAN.									
22...	1330	6.8	19	0	16	11	3.0	1.5	--
MAR.									
12...	1320	25	17	0	14	12	4.0	1.3	--
MAY									
14...	0945	3.9	--	--	--	--	--	--	--
21...	1330	7.8	24	0	20	12	3.0	.99	.01

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
14...	--	.03	.06	.09	.01	.00	120	7.4	8.0
JAN.									
22...	--	.04	.52	.56	.01	.01	100	6.8	1.5
MAR.									
12...	--	.02	.42	.44	.01	.01	100	7.5	4.0
MAY									
14...	--	--	--	--	--	--	100	7.8	14.5
21...	1.0	.01	.17	.18	.02	.00	100	7.5	17.0

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
14...	1	11.2	94	9	1.0	1.7	88	1	.01
JAN.									
22...	1	14.2	100	3	1.0	4.8	E4	1	.02
MAR.									
12...	--	13.8	103	7	.8	.9	18	47	3.2
MAY									
14...	--	11.2	107	--	--	--	42	--	--
21...	7	9.4	97	6	.7	1.2	160	17	.36

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
22...	1330	.00	.0	.00	.00	.00	.00
MAY							
14...	0945	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
22...	.00	.00	.00	.00	.0	0
MAY						
14...	.00	.00	.00	.00	.0	0

01470727 LITTLE SACONY CREEK NEAR BOWERS, PA.

LOCATION.--Lat 40°27'50", long 75°43'40", Berks County, along west side of dirt road off Bowers-Fredericksville Road, 0.5 mi (0.8 km) upstream from mouth, 0.6 mi (1.0 km) south of Sally Ann, and 1.8 mi (2.9 km) south of Bowers.

DRAINAGE AREA.--0.97 mi^2 (2.51 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY								
31...	1435	.55	31	0	25	10	7.5	1.4
SEP.								
27...	0930	.92	29	0	24	9.7	7.4	2.1

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY									
31...	--	--	--	--	--	135	7.6	20.0	5
SEP.									
27...	.06	.45	.51	.03	.02	125	7.2	12.0	1

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY								
31...	8.2	89	10	.8	1.2	630	26	.04
SEP.								
27...	10.0	92	6	1.0	2.9	750	12	.03

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP.							
27...	0930	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP.						
27...	.00	.00	.00	.00	.0	0

DELAWARE RIVER BASIN

01470727 LITTLE SACONY CREEK NEAR BOWERS, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
14...	1200	1.1	24	0	20	27	6.5	1.4	--
JAN.									
22...	1400	2.4	17	0	14	8.6	12	1.6	--
MAR.									
12...	1400	7.1	14	0	11	14	7.0	1.3	--
MAY									
14...	1100	4.4	--	--	--	--	--	--	--
21...	1100	3.0	22	--	18	12	7.0	1.2	.01

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
14...	--	.08	.35	.43	.01	.01	110	7.5	8.5
JAN.									
22...	--	.02	.36	.38	.02	.01	160	6.9	2.5
MAR.									
12...	--	.02	.39	.41	.01	.01	110	7.5	3.5
MAY									
14...	--	--	--	--	--	--	105	7.9	14.0
21...	1.2	--	--	--	--	--	105	7.3	16.5

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
14...	1	10.8	92	3	1.8	1.2	18	5	.01
JAN.									
22...	1	13.4	97	0	1.6	3.4	<3	4	.03
MAR.									
12...	--	13.7	102	15	.9	.7	33	65	1.2
MAY									
14...	--	11.0	106	--	--	--	61	--	--
21...	12	9.6	97	5	.6	1.8	130	34	.28

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
22...	1400	.00	.0	.00	.00	.00	.00
MAY							
14...	1100	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
22...	.00	.00	.00	.00	.0	0
MAY						
14...	.00	.00	.00	.00	.0	0

DELAWARE RIVER BASIN

01470729 SACONY CREEK ABOVE BOWERS, PA.

LOCATION.--Lat 40°28'58", long 75°44'25", Berks County, at upstream side of bridge on Lyons-Bowers Road, at Bowers, 0.15 mi (0.2 km) upstream from left bank tributary, and 1.1 mi (1.8 km) downstream from Little Sacony Creek.

DRAINAGE AREA.--5.70 mi^2 (14.8 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station), May 1975 to September 1975.

EXTREMES.--1974-75:
Sediment concentrations: Maximum daily, 177 mg/l July 16; minimum daily, 3 mg/l on several days during August and September.
Sediment discharges: Maximum daily, 92 tons (83 t) July 16; minimum daily, 0.04 tons (0.03 t) on several days during August and September.

Period of record:
Sediment concentrations: Maximum daily, 177 mg/l July 16, 1975; minimum daily, 3 mg/l on several days during August and September 1975.
Sediment discharges: Maximum daily, 92 tons (83 t) July 16, 1975; minimum daily, 0.04 tons (0.03 t) on several days during August and September 1975.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY 31...	1130	3.0	32	0	26	11	4.0	1.2
SEP. 26...	1000	3.9	34	0	28	12	4.2	.99

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY 31...	--	--	--	--	--	140	7.5	20.0	--
SEP. 26...	.04	.48	.52	.03	.02	120	7.6	12.0	0

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 31...	8.2	88	8	.2	1.6	460	4	.03
SEP. 26...	10.6	97	6	1.0	1.4	530	2	.02

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP. 26...	1000	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP. 26...	.00	.00	.00	.00	.0	0

DELAWARE RIVER BASIN

01470729 SACONY CREEK ABOVE BOWERS, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
14...	0950	5.4	30	0	25	18	6.0	.99	--
JAN.									
22...	1045	13	20	0	16	18	5.5	1.5	--
MAR.									
12...	1200	16	19	0	16	15	5.0	1.3	--
MAY									
14...	0830	18	--	--	--	--	--	--	--
21...	1100	11	27	0	22	14	5.0	.98	.01

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
14...	--	.04	.29	.33	.01	.00	120	7.7	7.5
JAN.									
22...	--	.04	.76	.80	.01	.01	110	6.8	.0
MAR.									
12...	--	.01	.29	.30	.01	.01	110	7.6	4.5
MAY									
14...	--	--	--	--	--	--	100	7.9	13.5
21...	.99	.01	.03	.04	.02	.01	120	7.2	17.0

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
14...	1	11.6	96	9	.4	1.0	100	1	.01
JAN.									
22...	1	14.2	97	4	.0	5.1	E3	3	.11
MAR.									
12...	--	13.5	103	5	.6	.8	170	8	.35
MAY									
14...	--	11.2	106	--	--	--	320	--	--
21...	5	10.0	102	9	1.4	2.7	700	3	.09

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
22...	1045	.00	.0	.00	.00	.00	.00
MAY							
14...	0830	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
22...	.00	.00	.00	.00	.0	0
MAY						
14...	.00	.00	.00	.00	.0	0

01470729 SACONY CREEK ABOVE BOWERS, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	16			17	---	---	18	22	1.1
2	14			16	---	---	10	10	.27
3	79			13	---	---	9.1	8	.20
4	26			37	---	---	8.1	7	.15
5	21			22	---	---	28	184	15
6	19			17	---	---	34	85	18
7	18			17	---	---	12	14	.45
8	17			13	---	---	9.3	11	.28
9	16			12	7	.23	8.8	9	.21
10	15			11	6	.18	8.0	7	.15
11	15			11	6	.18	7.6	6	.12
12	14			13	12	.42	38	69	8.9
13	14			27	84	13	20	10	.54
14	13			18	18	.49	11	8	.24
15	14			12	8	.26	9.2	7	.17
16	16			23	18	1.7	9.0	6	.15
17	13			13	7	.25	9.1	6	.15
18	12			12	7	.23	8.0	6	.13
19	13			12	7	.23	7.4	5	.10
20	12			10	6	.16	7.0	5	.09
21	11			11	7	.21	6.3	5	.09
22	10			35	170	69	6.0	5	.08
23	10			31	43	7.2	5.8	5	.08
24	20			13	10	.35	5.8	5	.08
25	33			11	8	.24	5.9	5	.08
26	29			10	7	.19	10	25	.68
27	15			9.2	6	.15	9.8	15	.40
28	13			6.2	5	.08	26	67	5.3
29	13			7.9	5	.11	18	36	2.1
30	12			13	16	.63	12	12	.39
31	---			11	11	.33	---	---	---
TOTAL	543			484.3	---	---	377.2	---	55.68

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	7.5	9	.18	6.5	4	.07	5.6	3	.05
2	6.4	7	.12	6.2	4	.07	5.6	3	.05
3	7.8	15	.32	5.9	4	.06	6.2	9	.15
4	8.0	9	.19	20	114	30	4.7	5	.06
5	6.0	7	.11	21	59	8.5	4.5	4	.05
6	8.2	14	.35	33	27	5.0	6.2	9	.15
7	8.8	11	.26	19	13	.70	4.7	7	.09
8	6.2	8	.13	18	9	.24	4.1	5	.06
9	20	38	2.7	8.0	7	.15	3.9	4	.04
10	10	15	.41	7.2	6	.12	3.5	4	.04
11	6.9	10	.19	6.8	5	.09	3.9	4	.04
12	7.6	15	.31	5.9	5	.08	29	120	35
13	38	133	20	23	68	30	10	12	.32
14	93	132	63	17	30	2.0	5.6	9	.14
15	23	12	.75	7.6	10	.21	4.7	7	.09
16	62	177	98	13	15	.53	4.7	6	.08
17	29	17	1.3	9.6	9	.23	4.7	5	.06
18	19	10	.51	8.0	8	.17	4.5	5	.06
19	16	8	.35	6.5	6	.11	9.6	16	.41
20	16	7	.30	5.9	5	.08	6.5	7	.12
21	19	21	1.2	5.6	4	.06	12	26	1.0
22	12	8	.26	5.6	4	.06	5.9	7	.11
23	11	6	.18	5.3	4	.06	56	94	25
24	9.6	6	.16	5.3	4	.06	114	128	69
25	10	6	.16	5.3	4	.06	35	15	1.8
26	9.2	6	.15	5.3	3	.04	23	8	.50
27	8.3	5	.11	5.9	3	.05	16	6	.26
28	8.0	5	.11	4.6	3	.04	12	5	.16
29	7.2	5	.10	4.5	3	.04	10	4	.11
30	6.8	5	.09	5.9	3	.05	9.3	3	.08
31	6.5	5	.09	5.3	3	.04	---	---	---
TOTAL	507.0	---	186.09	298.0	---	7[illegible].97	425.4	---	135.06
YEAR	5104.2		551.64						

DELAWARE RIVER BASIN

01470730 SACONY CREEK BELOW BOWERS, PA.

LOCATION.--Lat 40°29'20", long 75°44'45", Berks County, at bridge on secondary road, 0.2 mi (0.32 km) northwest of Bowers.

DRAINAGE AREA.--7.73 mi^2 (20.0 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY 30...	1845	2.9	31	0	25	12	4.0	.77
SEP. 25...	1530	3.4	31	1	27	12	4.8	.97

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY 30...	--	--	--	--	--	160	7.4	24.0	6
SEP. 25...	.02	.48	.50	.02	.01	110	8.5	15.5	0

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 30...	7.4	87	14	1.2	2.0	2100	10	.08
SEP. 25...	10.6	105	4	1.2	.2	2500	4	.04

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP. 25...	1530	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP. 25...	.00	.00	.00	.00	.0	0

01470730 SACONY CREEK BELOW BOWERS, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
13...	1540	7.7	27	0	22	18	5.5	.81	--
JAN.									
22...	0830	12	21	0	17	17	5.5	1.6	--
MAR.									
12...	0845	13	22	0	18	14	5.0	1.6	--
MAY									
13...	1545	14	--	--	--	--	--	--	--
21...	1500	12	--	--	--	--	4.5	.93	.01

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
13...	--	.06	.32	.38	.01	.00	120	7.5	8.5
JAN.									
22...	--	.05	.52	.57	.01	.01	100	6.7	.0
MAR.									
12...	--	.01	.38	.39	.01	.01	110	7.7	3.5
MAY									
13...	--	--	--	--	--	--	105	8.4	19.5
21...	.94	.01	.20	.21	.01	.01	95	8.3	19.5

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (LO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
13...	2	10.7	95	15	1.6	1.4	900	3	.06
JAN.									
22...	2	14.2	96	7	1.4	6.7	E8	15	.53
MAR.									
12...	--	13.4	100	8	.6	.7	120	1	.04
MAY									
13...	--	10.0	107	--	--	--	410	--	--
21...	5	9.6	104	12	1.0	--	E120	8	.26

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
22...	0830	.00	.0	.00	.00	.00	.00
MAY							
13...	1545	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
22...	.00	.00	.00	.00	.0	0
MAY						
13...	.00	.00	.00	.00	.0	0

01470732 SACONY CREEK TRIBUTARY NEAR BOWERS, PA.

LOCATION.--Lat 40°29'23", long 75°44'05", Berks County, at bridge on Bowers-Topton Road, 1 mi (1.6 km) east of Bowers, 1.2 mi (1.9 km) upstream from mouth, and 1.3 mi (2.1 km) southwest of Topton.

DRAINAGE AREA.--1.26 mi^2 (3.26 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY 31...	1025	.58	41	0	34	15	2.0	.54
SEP. 26...	0820	.42	39	0	32	15	3.0	.56

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY 31...	--	--	--	--	--	155	7.4	23.0	15
SEP. 26...	.01	.31	.32	.03	.02	125	6.6	12.5	1

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 31...	7.9	90	10	.8	2.6	2600	30	.05
SEP. 26...	9.8	91	4	.8	16	3000	11	.01

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP. 26...	0820	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP. 26...	.00	.00	.00	.00	.0	0

DELAWARE RIVER BASIN

01470732 SACONY CREEK TRIBUTARY NEAR BOWERS, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
14...	1040	.47	36	0	30	22	3.0	.61	--
JAN.									
22...	1000	1.3	26	0	21	22	3.0	.93	--
MAR.									
12...	1000	2.0	26	0	21	19	4.0	.98	--
MAY									
14...	1400	4.2	--	--	--	--	--	--	--
21...	1245	2.5	30	0	25	19	2.0	.56	.01

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
14...	--	.05	.22	.27	.01	.01	130	7.5	8.0
JAN.									
22...	--	.04	.47	.51	.02	.01	120	6.7	.0
MAR.									
12...	--	.03	.43	.46	.01	.01	120	7.8	4.0
MAY									
14...	--	--	--	--	--	--	110	7.9	18.5
21...	.57	.01	.16	.17	.02	.01	120	7.7	18.0

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL, (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
14...	2	11.2	93	8	.6	1.8	E42	6	.01
JAN.									
22...	2	14.0	95	6	1.0	8.3	E3	9	.03
MAR.									
12...	--	13.6	103	8	.6	.7	200	17	.09
MAY									
14...	--	11.0	116	--	--	--	530	--	--
21...	13	8.8	84	12	.6	1.0	1200	34	.23

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
22...	1000	.00	.0	.00	.00	.00	.00
MAY							
14...	1400	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
22...	.00	.00	.00	.00	.0	0
MAY						
14...	.00	.00	.00	.00	.0	0

01470734 SACONY CREEK ABOVE KUTZTOWN, PA.

LOCATION.--Lat 40°29'42", long 75°45'07", Berks County, at north side of secondary road, 0.6 mi (1.0 km) northwest of Bowers, and 1 mi (1.6 km) northeast of Lyons.

DRAINAGE AREA.--10.6 mi^2 (27.5 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY 30...	1935	4.0	32	0	26	13	3.5	.68
SEP. 25...	1330	3.7	33	1	29	11	4.6	.99

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY 30...	--	--	--	--	--	130	7.7	24.0	25
SEP. 25...	.06	.70	.76	.02	.02	130	8.4	18.5	1

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 30...	6.8	80	18	2.2	1.0	12000	43	.46
SEP. 25...	11.9	120	2	1.6	.2	9600	2	.02

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP. 25...	1330	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP. 25...	.00	.00	.00	.00	.0	0

01470734 SACONY CREEK ABOVE KUTZTOWN, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
13...	1450	9.3	28	0	23	19	6.5	.81	--
JAN.									
21...	1430	17	22	0	18	20	6.0	1.5	--
MAR.									
11...	1540	14	22	0	18	14	5.0	1.0	--
MAY									
13...	1445	16	--	--	--	--	--	--	--
22...	1130	12	28	0	23	15	4.0	.93	.01

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
13...	--	.10	.42	.52	.01	.01	130	7.6	9.0
JAN.									
21...	--	.05	.47	.52	.01	.01	120	7.4	4.5
MAR.									
11...	--	.01	.43	.44	.01	.01	120	8.1	6.5
MAY									
13...	--	--	--	--	--	--	120	8.6	20.5
22...	.94	.01	.30	.31	.02	.01	115	8.4	21.0

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
13...	3	10.5	90	19	1.6	1.1	1300	3	.08
JAN.									
21...	3	14.2	108	8	1.0	1.4	<33	12	.55
MAR.									
11...	--	13.4	107	7	.4	.3	120	9	.34
MAY									
13...	--	10.2	112	--	--	--	760	--	--
22...	7	10.0	112	10	1.0	.2	2500	10	.32

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
21...	1430	.00	.0	.00	.00	.00	.00
MAY							
13...	1445	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
21...	.00	.00	.00	.00	.0	0
MAY						
13...	.00	.00	.00	.00	.0	0

01470736 SACONY CREEK AT NORMAL AVENUE, AT KUTZTOWN, PA.

LOCATION.--Lat 40°30'57", long 75°46'17", Berks County, on right bank, 150 ft (46 m) upstream from Normal Avenue bridge in Kutztown, and 1,000 ft (305 m) downstream from left bank tributary.

DRAINAGE AREA.--20.4 mi^2 (52.8 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
JULY								
30...	0930	16	84	0	69	19	6.0	2.7
SEP.								
25...	1100	8.1	167	0	137	27	30	5.0

DATE	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
JULY									
30...	--	--	--	--	--	255	7.3	19.0	40
SEP.									
25...	.02	.46	.48	.04	.03	475	7.4	12.0	2

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
JULY								
30...	6.9	74	21	2.2	6.7	19000	84	3.6
SEP.								
25...	10.2	94	4	1.8	11	16000	16	.22

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)
SEP.							
25...	1100	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOX-APHENE (UG/L)
SEP.						
25...	.00	.00	.00	.00	.0	0

01470736 SACONY CREEK AT NORMAL AVENUE, AT KUTZTOWN, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
NOV.								
13...	1345	14	76	0	62	25	9.0	1.8
JAN.								
21...	1340	24	128	0	105	30	9.5	4.2
MAR.								
11...	1445	34	145	3	124	28	8.5	5.0
MAY								
13...	1345	33	--	--	--	--	--	--
22...	1020	24	138	0	113	26	8.0	3.7

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
NOV.									
13...	.14	.86	1.0	.02	.01	250	7.4	9.0	7
JAN.									
21...	.05	.99	1.0	.03	.03	370	7.3	4.0	2
MAR.									
11...	.01	.59	.60	.02	.02	390	7.9	8.0	--
MAY									
13...	--	--	--	--	--	320	8.0	17.5	--
22...	.01	.04	.05	.02	.01	340	7.7	16.0	7

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.								
13...	10.0	86	22	2.2	4.8	4000	29	1.1
JAN.								
21...	12.6	95	7	2.4	10	E75	7	.45
MAR.								
11...	13.4	112	10	.1	3.0	E69	1	.09
MAY								
13...	11.8	120	--	--	--	600	--	--
22...	9.8	98	8	.6	4.4	1600	14	.91

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
21...	1340	.00	.0	.00	.00	.00	.00
MAY							
13...	1345	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
21...	.00	.00	.00	.00	.0	0
MAY						
13...	.00	.00	.00	.00	.0	0

01470738 SACONY CREEK AT KUTZTOWN, PA.

LOCATION.--Lat 40°31'27", long 75°47'03", Berks County, at bridge on secondary road 0.1 mi (0.2 km) downstream from Kutztown borough boundary, 0.3 mi (0.5 km) upstream from sewage treatment plant, and 0.5 mi (0.8 km) northwest of center of Kutztown.

DRAINAGE AREA.--21.6 mi^2 (55.9 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY 30...	1200	14	95	0	78	20	7.0	2.5
SEP. 25...	0800	10	187	0	153	28	60	4.5

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY 30...	--	--	--	--	--	270	7.8	22.0	25
SEP. 25...	.03	.56	.59	.02	.02	520	7.4	10.5	1

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 30...	8.5	95	16	2.8	2.4	7600	33	1.2
SEP. 25...	11.0	98	8	1.6	12	4500	2	.05

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP. 25...	0800	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP. 25...	.00	.00	.00	.00	.0	0

01470738 SACONY CREEK AT KUTZTOWN, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
13...	1315	17	84	0	69	26	9.0	1.6	--
JAN.									
21...	1245	22	169	0	139	37	12	4.3	--
MAR.									
11...	1330	35	151	3	129	26	9.0	5.0	--
MAY									
13...	1300	36	--	--	--	--	--	--	--
22...	0920	25	149	0	122	25	9.0	3.8	.02

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
13...	--	.11	.75	.86	.02	.02	260	7.4	9.5
JAN.									
21...	--	.05	.80	.85	.03	.02	480	7.3	3.0
MAR.									
11...	--	.06	.42	.48	.02	.02	410	8.1	8.5
MAY									
13...	--	--	--	--	--	--	340	8.2	16.5
22...	3.8	.01	.12	.13	.03	.02	360	7.9	15.5

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
13...	9	10.4	95	19	2.4	5.4	9000	22	1.0
JAN.									
21...	1	13.7	100	7	1.4	14	E67	4	.24
MAR.									
11...	--	13.8	118	7	.2	2.0	E46	2	.19
MAY									
13...	--	12.2	122	--	--	--	640	--	--
22...	4	10.4	102	6	.6	3.0	1800	9	.61

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
21...	1245	.00	.0	.00	.00	.00	.00
MAY							
13...	1300	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
21...	.00	.00	.00	.00	.0	0
MAY						
13...	.00	.00	.00	.00	.0	0

01470739 SACONY CREEK BELOW KUTZTOWN, PA.

LOCATION.--Lat 40°31'55", long 75°47'08", Berks County, at bridge on reservoir road, 0.3 mi (0.5 km) downstream from sewage treatment plant, 0.7 mi (1.1 km) downstream from Kutztown borough boundary, and 1.0 mi (1.6 km) northwest of Kutztown.

DRAINAGE AREA.--23.0 mi^2 (59.6 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY								
30...	1330	15	106	0	87	24	20	3.2
SEP.								
24...	1600	12	194	0	159	38	48	5.0

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY									
30...	--	--	--	--	--	340	7.8	24.0	25
SEP.									
24...	1.0	1.3	2.3	.54	.47	680	8.0	14.5	1

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY								
30...	8.8	103	20	3.4	2.7	6200	39	1.6
SEP.								
24...	13.2	133	13	4.0	3.1	11000	3	.10

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP.							
24...	1600	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP.						
24...	.00	.00	.00	.00	.0	0

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
13...	1140	23	96	0	79	34	21	2.3	--
JAN.									
21...	1120	23	170	0	139	49	20	4.9	--
MAR.									
11...	1145	38	164	1	136	33	22	5.2	--
MAY									
13...	1150	46	--	--	--	--	--	--	--
22...	0845	30	156	0	128	28	18	4.1	.06

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
13...	--	.50	.93	1.4	.31	.27	340	7.3	9.0
JAN.									
21...	--	.29	.77	1.1	.15	.13	520	7.3	1.5
MAR.									
11...	--	.59	1.1	1.7	.23	.22	490	8.4	7.0
MAY									
13...	--	--	--	--	--	--	380	7.8	15.5
22...	4.2	.01	.27	.28	.25	.22	395	7.8	15.5

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
13...	9	10.0	93	19	3.6	7.7	6300	18	1.1
JAN.									
21...	2	13.8	98	7	2.6	14	1400	5	.31
MAR.									
11...	--	13.5	109	6	.2	2.7	100	3	.31
MAY									
13...	--	11.4	112	--	--	--	2300	--	--
22...	6	9.6	98	9	1.2	4.0	2400	13	1.1

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
21...	1120	.00	.0	.00	.00	.00	.00
MAY							
13...	1150	.00	.0	.00	.00	.00	<.01

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
21...	.00	.00	.00	.00	.0	0
MAY						
13...	.00	.00	.00	.00	.0	0

01470740 SACONY CREEK AT GREENWICH BRIDGE, NEAR KUTZTOWN, PA.

LOCATION.--Lat 40°32'13", long 75°47'57", Berks County, at Greenwich Bridge, 250 ft (76 m) upstream from Mill Creek, 0.5 mi (0.8 km) downstream from dam, and 1.7 mi (2.7 km) northwest of Kutztown.

DRAINAGE AREA.--23.4 mi^2 (60.6 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1974 to May 1975 (discontinued).
Sediment records: July 1974 to May 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)
JULY								
30...	1450	17	114	0	94	25	19	2.9
SEP.								
24...	1200	13	194	0	159	35	27	5.0

DATE	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
JULY									
30...	--	--	--	--	--	350	7.0	24.0	40
SEP.									
24...	.28	.79	1.1	.94	.92	530	7.5	11.0	2

DATE	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY								
30...	7.4	87	21	2.6	2.9	3200	78	3.6
SEP.								
24...	9.3	83	11	2.1	9.0	4700	4	.14

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
SEP.							
24...	1200	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
SEP.						
24...	.00	.00	.00	.00	.0	0

01470740 SACONY CREEK AT GREENWICH BRIDGE, NEAR KUTZTOWN, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)
NOV.									
13...	1040	29	85	--	70	27	14	1.9	--
JAN.									
21...	1000	24	149	--	122	41	27	4.1	--
MAR.									
11...	1035	41	154	4	133	33	24	5.0	--
MAY									
13...	1045	44	--	--	--	--	--	--	--
22...	0800	26	150	--	123	24	14	3.7	.08

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NOV.									
13...	--	.17	.94	1.1	.19	.17	280	7.3	9.0
JAN.									
21...	--	.07	1.2	1.2	.15	.13	480	7.4	.5
MAR.									
11...	--	.32	.59	.91	.15	.15	490	7.6	6.5
MAY									
13...	--	--	--	--	--	--	350	7.8	15.0
22...	3.8	.01	.39	.40	.17	.12	370	7.5	16.0

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
NOV.									
13...	15	9.6	82	14	1.2	6.8	2500	22	.7
JAN.									
21...	1	13.8	96	6	1.8	9.5	1300	--	--
MAR.									
11...	--	12.4	100	5	.7	6.5	200	6	.66
MAY									
13...	--	11.0	108	--	--	--	1100	--	--
22...	7	8.4	85	12	1.2	7.6	700	12	.91

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
JAN.							
21...	1000	.00	.0	.00	.00	.00	.00
MAY							
13...	1045	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL PCB (UG/L)	TOTAL TOXAPHENE (UG/L)
JAN.						
21...	.00	.00	.00	.00	.0	0
MAY						
13...	.00	.00	.00	.00	.0	0

DELAWARE RIVER BASIN

01470800 TULPEHOCKEN CREEK AT BERNVILLE, PA.

LOCATION.--Lat 40°25'32", long 76°06'51", Berks County, at single-span concrete bridge on Legislative Route 06047, 0.5 mi (0.8 km) south of Bernville, 600 ft (183 m) above confluence with Northkill Creek.

DRAINAGE AREA.--84.8 mi^2 (220 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Sediment records: October 1972, January to September 1974 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
OCT. 15...	1200	1.0	55	--	220	1.7	--	--	.02	1.1	1.1	--
NOV. 18...	1200	1.0	55	--	--	5.1	--	--	.08	.75	.83	--
DEC. 16...	1230	1.0	465	--	131	4.9	--	--	.24	1.7	1.9	--
JAN. 22...	1030	1.0	140	--	222	5.9	--	--	.14	.45	.59	--
FEB. 19...	1100	1.0	235	--	192	4.7	--	--	.18	.85	1.0	--
MAR. 18...	0940	1.0	175	--	193	6.8	--	--	.01	.64	.65	--
APR. 08...	1120	1.0	210	196	161	6.4	--	--	.01	.54	.55	--
MAY 14...	0900	1.0	190	--	160	5.3	.06	5.4	.09	.40	.49	5.9
JUNE 18...	1300	1.0	140	--	159	5.2	--	--	.08	.75	.83	--
JULY 16...	1230	1.0	315	--	167	5.0	--	--	.07	.75	.82	--
AUG. 20...	1300	1.0	90	--	180	6.0	.03	6.0	.08	.29	.29	6.3
SEP. 17...	1000	1.0	80	--	195	5.3	--	--	.03	.47	.50	--

DATE	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT. 15...	.10	.07	450	7.8	13.5	10.0	1200	700	E250	1.7	--
NOV. 18...	.02	.01	520	8.4	5.5	13.8	360	200	190	11	--
DEC. 16...	.43	.23	412	8.4	5.0	12.6	20000	13000	E100000	8.4	--
JAN. 22...	.05	.05	500	7.1	2.0	15.6	E300	320	980	4.4	--
FEB. 19...	.10	.09	500	5.0	5.5	10.0	2100	2400	3200	3.6	--
MAR. 18...	.07	.05	469	8.2	6.5	11.0	390	140	380	2.5	--
APR. 08...	.09	.04	422	7.9	7.0	12.0	3300	450	80	4.1	--
MAY 14...	.08	.03	470	7.9	14.0	8.8	6000	1900	E13000	2.3	0
JUNE 18...	.25	.13	480	7.5	21.0	8.2	5000	4100	4600	1.8	0
JULY 16...	.24	.06	480	7.6	20.5	8.0	13000	6000	6400	11	0
AUG. 20...	.08	.06	520	8.0	22.0	9.8	1000	1100	760	1.4	--
SEP. 17...	.10	.08	480	8.0	14.0	9.4	5600	3000	860	--	1

01470800 TULPEHOCKEN CREEK AT BERNVILLE, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE											
18...	1300	14000	1400	25	85	2800	2800	320	80000	.7	.9

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE											
18...	.0	11	1.1	2.7	.9	1.1	.0	.0	.0	.0	38

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE											
18...	0	32	1	43	14	23	37	.1	24	0	85

DELAWARE RIVER BASIN

01470825 NORTHKILL CREEK AT BERNVILLE, PA.

LOCATION.--Lat 40°25'50", long 76°06'51", Berks County, at a retaining wall 670 ft (204 m) upstream from highway bridge on county road 0.2 mi (0.3 km) from Bernville, and 0.4 mi (0.6 km) from mouth.

DRAINAGE AREA.--42.0 mi^2 (109 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Sediment records: October 1972, January to September 1974 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
OCT. 15...	1230	1.0	15	--	62	1.6	--	--	.06	.85	.91	--
NOV. 18...	1230	1.0	20	--	--	1.1	--	--	.05	.50	.55	--
DEC. 16...	1315	1.0	630	--	26	2.4	--	--	.24	1.8	2.0	--
JAN. 22...	1040	1.0	--	--	32	3.7	--	--	.06	.37	.43	--
FEB. 19...	1130	1.0	190	--	58	2.7	--	--	.09	.64	.73	--
MAR. 18...	0950	1.0	105	--	26	2.7	--	--	.01	.67	.68	--
APR. 08...	1140	1.0	110	24	28	3.1	--	--	.00	.48	.48	--
MAY 14...	0930	1.0	75	--	27	1.6	.01	1.6	.03	.19	.22	1.8
JUNE 18...	1345	1.0	50	--	28	3.2	--	--	.07	.40	.47	--
JULY 16...	1300	1.0	255	--	28	2.7	--	--	.04	.53	.57	--
AUG. 20...	1330	1.0	15	--	49	1.6	.02	1.6	.01	.27	.28	1.9
SEP. 17...	1015	1.0	20	--	57	.79	--	--	.03	.48	.51	--

DATE	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	INMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT. 15...	.03	.01	156	7.3	13.5	11.6	1600	780	660	3.0	--
NOV. 18...	.08	.01	170	8.2	5.0	13.8	780	400	980	7.0	--
DEC. 16...	.72	.25	155	7.3	5.0	12.0	42000	15000	E140000	8.8	--
JAN. 22...	.03	.02	160	6.0	1.0	17.0	E380	330	E240	2.0	--
FEB. 19...	.10	.05	170	6.7	4.0	12.6	2700	970	1600	3.4	--
MAR. 18...	.04	.02	160	7.3	3.5	13.2	900	550	370	1.5	--
APR. 08...	.03	.01	110	7.2	6.0	12.6	130	E40	E64	4.0	--
MAY 14...	.02	.00	120	7.2	13.5	10.5	4000	1800	3600	4.2	0
JUNE 18...	6.0	5.9	130	7.4	20.5	9.9	2800	2700	1000	2.0	0
JULY 16...	.07	.04	145	6.9	22.5	8.8	9500	2500	2600	2.8	0
AUG. 20...	.04	.03	170	8.0	22.0	8.5	1800	930	1300	2.2	--
SEP. 17...	.04	.02	180	7.1	13.5	10.6	4600	2700	--	.9	0

01470825 NORTHKILL CREEK AT BERNVILLE, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE											
18...	1345	14000	820	2.0	46	790	790	160	63000	22	.0

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE											
18...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE											
18...	0	5	0	32	12	24	60	.1	19	0	88

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA.

LOCATION.--Lat 40°22'00", long 76°01'16", Berks County, 1.0 mi (1.6 km) downstream from gaging station at Rebers Bridge, 1.0 mi (1.6 km) east of Blue Marsh, 3 mi (4.8 km) north of Sinking Spring, and 5.5 mi (8.8 km) northwest of Reading.

DRAINAGE AREA.--175 mi^2 (453 km^2).

PERIOD OF RECORD.--Chemical analyses: June 1972 to September 1975.
Water temperatures: October 1968 to September 1975.
Sediment records: May 1973 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum daily, 392 micromhos Sept. 10; minimum daily, 145 micromhos June 28.
Water temperatures: Maximum, 28.5°C May 26, 28; minimum, freezing point Feb. 5.
Sediment concentrations: Maximum daily, 631 mg/l Sept. 24; minimum daily, 2 mg/l April 20-23.
Sediment discharges: Maximum daily, 3,980 tons (3,611 t) June 28; minimum daily, 0.56 tons (0.51 t) Oct. 31.

Period of record:
Specific conductance (1973-75): Maximum daily, 420 micromhos Sept. 10, 1973; minimum daily, 145 micromhos June 28, 1975.
Water temperatures: Maximum, 34.0°C Oct. 2, 1968; minimum, freezing point on several days during December 1970, January, March 1971, Feb. 1975.
Sediment concentrations: Maximum daily, 1,400 mg/l June 22, 1973; minimum daily, 2 mg/l July 10, 13, 1974.
Sediment discharges: Maximum daily, 8,350 tons (7,580 t) June 22, 1973; minimum daily, 0.45 tons (0.41 t) July 13, 1974.

REMARKS.--Temperature recorder located at gaging station 1.0 mi (1.6 km) upstream from sampling site.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
OCT. 15...	1100	1.0	89	--	168	1.3	--	--	.04	1.2	1.2	--
NOV. 18...	1400	1.0	111	--	--	3.2	--	--	.06	.93	.99	--
DEC. 16...	1430	1.0	1152	--	95	3.6	--	--	.13	1.2	1.3	--
JAN. 22...	0930	1.0	364	--	108	4.5	--	--	.11	.51	.62	--
FEB. 19...	1000	1.0	546	--	126	4.4	--	--	.14	.83	.97	--
MAR. 18...	1015	1.0	387	--	118	5.0	--	--	.00	.53	.53	--
APR. 08...	1050	1.0	490	121	99	5.2	--	--	.01	.45	.46	--
MAY 14...	1015	1.0	474	--	108	3.5	.03	3.5	.04	.37	.41	3.9
JUNE 18...	1030	1.0	500	--	108	3.8	--	--	.06	.60	.66	--
JULY 16...	1100	1.0	968	--	95	3.6	--	--	.09	1.2	1.3	--
AUG. 20...	1120	1.0	210	--	139	4.8	.03	4.8	.01	.27	.28	5.1
SEP. 17...	0900	1.0	176	--	153	4.0	--	--	.03	.52	.55	--

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT.											
15...	.11	.08	360	8.0	14.5	13.0	700	470	1000	2.6	--
NOV.											
18...	.09	.08	390	8.4	6.0	15.2	250	E70	130	4.8	--
DEC.											
16...	.26	.14	295	8.3	5.0	13.2	7600	3100	42000	6.8	--
JAN.											
22...	.14	.12	360	7.5	.0	16.0	750	460	1400	5.7	--
FEB.											
19...	.19	.10	380	8.3	5.0	12.0	2400	1100	2000	5.1	--
MAR.											
18...	.08	.05	298	8.1	6.5	12.4	900	300	160	1.4	--
APR.											
08...	.07	.04	295	8.1	6.0	12.0	170	E20	80	1.5	--
MAY											
14...	.08	.04	340	8.0	15.5	9.8	4500	2100	E32000	5.0	0
JUNE											
18...	.21	.09	335	7.9	20.5	8.6	2500	1600	1400	2.6	0
JULY											
16...	.30	.05	295	7.4	21.5	8.3	19000	6900	13000	3.0	1
AUG.											
20...	.09	.09	410	8.1	21.0	9.8	1000	700	540	3.0	--
SEP.											
17...	.14	.10	410	8.0	14.0	9.8	6400	3100	680	6.0	0

DATE	TIME	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN IN BOTTOM MATERIAL (N) (MG/KG)	TOTAL PHOSPHORUS IN BOTTOM MATERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	INORGANIC CARBON IN BOTTOM MATERIAL (G/KG)
JUNE											
18...	1030	23000	1900	6.0	26	1700	1700	230	58000	18	1.1

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)
JUNE											
18...	.0	8	1.4	3.4	.9	1.8	.0	.0	.0	.0	36

DATE	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
JUNE											
18...	0	87	2	57	19	31	59	.1	34	0	120

DELAWARE RIVER BASIN

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	370	353	---	269	---	310	288	257	282	331	---
2	---	363	340	---	291	---	314	298	277	---	333	347
3	320	373	310	---	---	---	---	313	298	306	---	363
4	340	---	317	---	---	---	---	---	308	301	336	373
5	331	348	---	---	---	---	259	211	310	316	---	376
6	343	360	352	---	303	---	---	239	190	334	331	357
7	352	365	356	---	310	---	275	260	250	338	332	365
8	354	350	357	321	345	---	296	273	254	330	343	378
9	343	---	198	292	335	---	306	286	268	333	350	389
10	338	378	222	227	364	343	311	301	283	335	356	392
11	339	378	260	235	336	---	308	308	283	346	---	385
12	343	---	272	259	---	---	320	---	209	332	---	323
13	369	320	---	---	---	315	324	288	238	---	---	302
14	381	346	279	266	364	---	315	300	---	202	---	366
15	---	---	297	268	370	327	327	313	225	237	---	381
16	---	323	278	291	---	340	329	---	281	265	---	382
17	---	344	204	---	---	324	320	---	---	293	---	376
18	342	361	223	---	268	295	337	---	---	303	---	377
19	367	318	259	---	277	286	343	---	---	267	---	352
20	374	333	277	---	245	196	344	316	---	291	359	326
21	---	---	280	---	270	233	324	---	---	242	374	323
22	352	---	292	305	283	267	333	290	---	282	366	343
23	---	343	306	326	267	259	320	316	---	295	361	242
24	374	326	---	335	---	280	---	314	335	296	373	153
25	---	---	---	---	214	272	280	327	333	270	369	177
26	369	343	306	262	229	285	274	333	336	---	327	183
27	353	323	---	260	260	305	280	341	---	---	333	239
28	---	346	334	---	279	---	294	346	145	---	358	278
29	368	---	342	---	---	309	305	344	212	---	364	298
30	373	339	326	237	---	---	313	338	263	331	361	310
31	363	---	---	258	---	309	---	340	---	330	350	---
MEAN	---	---	294	---	---	---	310	---	---	298	---	326

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.0	11.0	12.5	15.0	10.5	12.5	---	---	---	---	---	---
2	15.0	9.5	10.5	15.5	11.5	13.5	---	---	---	---	---	---
3	15.5	7.0	9.5	14.0	12.5	13.0	---	---	---	---	---	---
4	19.5	5.0	10.0	16.0	12.5	14.0	---	---	---	---	---	---
5	15.5	6.5	10.0	14.5	13.0	14.0	---	---	---	---	---	---
6	14.0	8.5	11.0	13.0	11.0	12.0	---	---	---	---	---	---
7	13.0	10.0	11.5	11.5	9.5	10.5	---	---	---	---	---	---
8	12.5	8.5	10.5	10.5	7.5	9.0	---	---	---	---	---	---
9	12.5	8.0	10.0	---	---	---	---	---	---	---	---	---
10	13.0	8.5	10.5	---	---	---	---	---	---	---	---	---
11	14.0	9.0	11.0	---	---	---	---	---	---	---	---	---
12	14.5	10.0	12.0	---	---	---	---	---	---	---	---	---
13	14.5	12.5	13.5	---	---	---	---	---	---	---	---	---
14	14.5	13.0	13.5	---	---	---	7.0	6.0	6.5	---	---	---
15	14.5	12.5	13.5	---	---	---	6.0	4.5	5.0	---	---	---
16	13.0	11.0	11.5	---	---	---	5.5	4.5	5.0	---	---	---
17	13.0	9.5	11.0	---	---	---	5.5	5.0	5.5	---	---	---
18	16.0	8.5	10.0	---	---	---	5.0	3.5	4.5	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	7.5	5.5	6.5	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	4.5	3.0	4.0	---	---	---
23	---	---	---	---	---	---	3.0	2.0	2.5	---	---	---
24	---	---	---	---	---	---	5.0	3.0	4.5	---	---	---
25	---	---	---	---	---	---	4.5	3.0	4.5	---	---	---
26	9.0	6.0	7.5	---	---	---	3.0	1.5	2.5	---	---	---
27	---	---	---	---	---	---	2.0	1.0	1.5	3.5	2.0	2.5
28	---	---	---	---	---	---	3.0	1.5	2.0	4.5	3.0	4.0
29	11.0	7.5	9.0	---	---	---	---	---	---	5.0	4.0	4.5
30	11.5	9.0	10.0	---	---	---	---	---	---	4.5	4.0	4.5
31	13.0	10.0	11.5	---	---	---	---	---	---	4.5	4.0	4.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.0	3.0	3.5	6.5	5.5	6.0	9.5	5.5	7.0	---	---	---
2	3.5	3.0	3.0	5.5	4.0	5.0	---	---	---	---	---	---
3	3.0	1.5	2.0	4.5	3.0	3.5	---	---	---	---	---	---
4	2.0	1.5	1.5	3.0	1.5	2.0	---	---	---	---	---	---
5	1.5	0.0	1.0	4.0	2.0	2.5	4.5	3.0	4.0	---	---	---
6	4.5	2.0	3.0	5.0	2.5	4.0	6.0	3.5	4.5	---	---	---
7	4.5	3.0	4.0	5.5	4.0	5.0	6.5	4.5	5.5	---	---	---
8	2.5	1.0	1.5	6.0	4.0	5.5	8.5	5.0	6.5	---	---	---
9	2.5	2.0	2.0	4.0	2.0	3.0	---	---	---	---	---	---
10	2.0	0.5	1.5	2.5	2.0	2.0	---	---	---	---	---	---
11	2.0	1.0	1.5	5.0	2.5	3.5	10.0	7.5	8.5	---	---	---
12	2.0	0.5	1.0	5.0	4.5	4.5	10.0	8.0	9.0	---	---	---
13	2.0	0.5	1.0	7.0	5.0	6.0	9.0	7.0	8.5	---	---	---
14	2.5	0.5	1.5	6.5	2.5	4.5	---	---	---	---	---	---
15	2.5	0.5	1.5	5.5	2.0	3.5	---	---	---	---	---	---
16	4.0	2.0	3.0	5.5	4.0	5.0	---	---	---	---	---	---
17	4.5	3.5	4.0	8.0	5.5	6.5	---	---	---	18.5	16.0	17.5
18	5.0	3.0	4.0	7.5	5.5	6.5	---	---	---	18.0	16.5	17.0
19	5.5	4.5	5.0	7.5	7.0	7.5	---	---	---	21.0	16.5	19.0
20	5.0	4.0	4.5	7.5	7.0	7.5	---	---	---	21.5	18.5	20.0
21	5.5	3.0	4.5	7.5	5.5	6.5	---	---	---	22.5	19.0	20.5
22	6.5	3.5	5.0	8.0	7.0	7.5	---	---	---	---	---	---
23	6.5	6.0	6.0	9.0	7.0	8.0	---	---	---	---	---	---
24	7.0	6.5	6.5	9.0	7.0	8.0	---	---	---	24.0	20.0	22.0
25	7.5	7.0	7.0	9.5	7.5	8.5	---	---	---	28.0	19.0	22.0
26	7.0	5.0	6.0	9.5	7.0	8.0	---	---	---	28.5	18.0	24.5
27	6.5	5.0	5.5	7.0	4.5	5.5	---	---	---	27.5	16.5	25.0
28	6.5	4.5	5.5	6.5	4.5	5.5	---	---	---	28.5	24.0	27.0
29	---	---	---	7.0	6.5	7.0	---	---	---	---	---	---
30	---	---	---	7.5	6.5	7.0	---	---	---	27.0	20.0	23.5
31	---	---	---	7.5	4.5	6.0	---	---	---	23.0	19.0	20.5
MONTH	7.5	0.0	3.5	9.5	1.5	5.5	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.5	20.0	20.5	20.0	17.0	18.5	25.5	21.5	23.5	19.0	17.5	18.0
2	21.5	18.0	19.5	20.5	17.0	18.5	26.5	22.5	24.5	19.5	17.5	18.5
3	21.5	18.5	20.0	20.5	18.5	20.0	26.5	23.5	25.0	19.5	17.5	18.5
4	21.0	17.5	19.0	20.5	18.0	19.0	26.5	24.0	25.0	---	---	---
5	22.0	17.5	18.5	21.0	18.0	19.5	26.5	24.0	25.0	---	---	---
6	21.5	16.5	17.5	22.0	19.0	20.5	25.0	21.0	23.0	---	---	---
7	17.5	16.5	17.0	21.5	19.5	20.5	21.0	19.5	20.0	---	---	---
8	16.5	15.0	15.5	21.5	19.0	20.0	22.0	17.5	19.5	---	---	---
9	17.0	14.5	15.5	21.0	19.5	20.0	23.5	18.5	21.0	---	---	---
10	18.5	15.5	16.5	22.5	19.0	20.5	22.0	19.5	21.0	---	---	---
11	18.0	16.5	17.5	22.0	19.0	20.5	22.5	20.0	21.5	---	---	---
12	17.5	16.0	16.5	21.0	19.5	20.5	24.0	20.5	22.0	---	---	---
13	19.5	16.0	17.5	20.5	19.0	19.5	24.0	21.0	22.5	---	---	---
14	20.5	17.5	19.0	19.5	18.5	19.0	24.5	21.5	23.0	---	---	---
15	20.5	18.0	19.5	20.0	18.0	19.0	24.0	21.5	23.0	---	---	---
16	20.0	18.5	19.0	20.5	18.5	19.5	23.0	21.0	21.5	---	---	---
17	21.0	17.5	19.0	21.0	19.0	20.0	21.5	20.0	20.5	---	---	---
18	23.0	19.5	21.0	22.0	20.0	21.0	24.0	20.5	22.0	---	---	---
19	24.0	21.0	22.5	21.5	20.5	21.0	23.0	20.5	21.5	---	---	---
20	24.0	21.0	23.0	21.5	20.5	21.0	23.5	20.5	22.0	---	---	---
21	23.5	20.5	22.0	22.5	20.5	21.5	22.0	19.5	21.0	---	---	---
22	23.0	20.0	21.5	22.5	20.5	21.5	22.5	20.5	21.5	---	---	---
23	24.0	20.5	22.0	22.5	20.0	21.5	23.0	20.5	21.5	---	---	---
24	24.5	21.5	23.0	23.5	21.0	22.0	22.0	20.5	21.5	---	---	---
25	24.0	21.5	23.0	23.0	21.0	22.0	24.5	20.5	22.5	---	---	---
26	23.5	20.5	21.5	21.5	19.0	20.5	26.0	22.5	24.0	---	---	---
27	20.5	18.5	19.0	21.5	18.5	20.0	25.5	23.0	24.0	---	---	---
28	19.0	17.5	18.5	22.5	19.5	21.0	24.0	21.0	23.0	---	---	---
29	21.5	17.0	18.0	23.5	20.0	21.5	23.0	20.5	21.5	---	---	---
30	20.0	17.0	18.5	23.5	20.0	21.5	22.0	21.0	21.5	---	---	---
31	---	---	---	24.5	20.5	22.5	21.0	19.0	20.0	---	---	---
MONTH	24.5	14.5	19.5	24.5	17.0	20.5	26.5	17.5	22.0	---	---	---

DELAWARE RIVER BASIN

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER MEAN DISCHARGE (CFS)	OCTOBER MEAN CONCEN-TRATION (MG/L)	OCTOBER SEDIMENT DISCHARGE (TONS/DAY)	NOVEMBER MEAN DISCHARGE (CFS)	NOVEMBER MEAN CONCEN-TRATION (MG/L)	NOVEMBER SEDIMENT DISCHARGE (TONS/DAY)	DECEMBER MEAN DISCHARGE (CFS)	DECEMBER MEAN CONCEN-TRATION (MG/L)	DECEMBER SEDIMENT DISCHARGE (TONS/DAY)
1	123	5	1.7	69	4	.75	74	5	1.0
2	113	4	1.2	69	6	1.1	110	7	2.1
3	101	4	1.1	72	8	1.6	150	8	3.2
4	95	5	1.3	74	8	1.6	110	5	1.5
5	92	6	1.5	76	10	2.1	100	5	1.4
6	89	4	.96	76	10	2.1	98	5	1.3
7	84	4	.91	67	10	1.8	90	4	.97
8	81	6	1.3	65	10	1.8	500	400	540
9	79	11	2.3	63	8	1.4	780	120	253
10	74	10	2.0	63	8	1.4	450	42	51
11	74	10	2.0	63	5	.85	350	25	24
12	74	10	2.0	69	5	.93	300	23	19
13	74	8	1.6	142	26	10	260	22	15
14	69	5	.93	92	10	2.5	240	22	14
15	72	5	.97	101	5	1.4	220	17	10
16	156	38	16	98	4	1.1	600	175	283
17	181	50	24	84	12	2.7	780	60	126
18	107	4	1.2	84	9	2.0	600	48	78
19	92	5	1.2	76	8	1.6	474	28	36
20	89	4	.96	81	8	1.8	395	23	25
21	84	4	.91	113	12	3.7	344	21	20
22	81	4	.87	107	11	3.2	304	19	16
23	79	5	1.1	89	5	1.2	266	14	10
24	79	7	1.5	84	8	1.8	250	10	6.8
25	76	7	1.4	89	7	1.7	242	10	6.5
26	79	5	1.1	86	5	1.2	218	14	8.2
27	76	5	1.0	76	12	2.5	194	11	5.8
28	72	6	1.2	84	7	1.6	182	10	4.9
29	72	8	1.6	78	6	1.3	166	9	4.0
30	69	4	.75	75	6	1.2	163	8	3.5
31	69	3	.56	---	---	---	160	8	3.5
MONTH	2755	---	---	2465	---	---	9170	---	---

DAY	JANUARY MEAN DISCHARGE (CFS)	JANUARY MEAN CONCEN-TRATION (MG/L)	JANUARY SEDIMENT DISCHARGE (TONS/DAY)	FEBRUARY MEAN DISCHARGE (CFS)	FEBRUARY MEAN CONCEN-TRATION (MG/L)	FEBRUARY SEDIMENT DISCHARGE (TONS/DAY)	MARCH MEAN DISCHARGE (CFS)	MARCH MEAN CONCEN-TRATION (MG/L)	MARCH SEDIMENT DISCHARGE (TONS/DAY)
1	206	12	6.7	546	24	35	584	25	39
2	206	12	6.7	485	22	29	518	22	31
3	170	11	5.0	425	19	22	468	17	21
4	170	11	5.0	376	18	18	420	15	17
5	166	10	4.5	371	17	17	385	13	14
6	152	14	5.7	371	17	17	362	12	12
7	170	13	6.0	353	20	19	344	12	11
8	174	12	5.6	304	24	20	340	11	10
9	590	200	319	286	28	22	286	14	11
10	622	80	134	250	25	17	278	8	6.0
11	573	58	90	250	18	12	282	14	11
12	496	44	59	246	18	12	317	15	13
13	556	150	225	246	17	11	366	17	17
14	524	27	38	220	30	18	304	17	14
15	441	22	26	220	27	16	312	12	1
16	405	18	20	214	20	12	366	6	5.9
17	353	15	14	226	15	9.2	366	5	4.9
18	335	15	14	400	35	38	376	6	6.1
19	330	13	12	562	65	99	700	138	261
20	362	17	17	578	60	94	1690	300	1370
21	335	15	14	502	30	41	998	70	189
22	290	14	11	458	20	25	794	38	81
23	262	12	8.5	634	30	51	710	38	73
24	254	12	8.2	1150	320	994	656	32	57
25	386	18	19	1500	250	1010	674	42	76
26	731	180	355	998	82	221	562	22	33
27	551	44	65	770	34	71	496	15	20
28	502	32	43	656	28	50	468	17	21
29	710	160	307	---	---	---	446	20	24
30	710	70	134	---	---	---	502	32	43
31	617	55	92	---	---	---	441	10	12
MONTH	12349	---	---	13597	---	---	15811	---	---

01470960 TULPEHOCKEN CREEK AT BLUE MARSH DAMSITE NEAR READING, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	395	10	11	341	18	17	600	180	292
2	371	11	11	385	20	21	310	75	63
3	922	250	622	335	10	9.0	270	52	38
4	933	180	453	872	180	424	250	30	20
5	692	67	125	911	80	197	300	70	57
6	612	28	46	666	30	54	760	172	353
7	551	15	22	564	22	34	540	83	121
8	485	11	14	455	18	22	440	41	49
9	430	9	10	390	18	19	380	40	41
10	400	6	6.5	360	15	15	350	51	48
11	371	7	7.0	350	14	13	330	43	38
12	353	3	2.9	325	14	12	560	177	268
13	317	3	2.6	390	12	13	580	81	127
14	290	3	2.3	375	21	21	460	50	62
15	286	3	2.3	325	16	14	410	47	52
16	274	4	3.0	360	28	27	380	41	42
17	270	3	2.2	330	17	15	360	35	34
18	266	4	2.9	315	15	13	330	32	29
19	270	4	2.9	305	15	12	300	32	26
20	254	2	1.4	296	13	10	310	34	28
21	234	2	1.3	260	12	8.4	270	31	23
22	226	2	1.2	335	60	54	250	30	20
23	214	2	1.2	516	167	233	240	29	19
24	226	3	1.8	320	46	40	230	29	18
25	455	28	34	280	39	29	220	32	19
26	623	63	106	270	30	22	250	40	27
27	415	16	18	260	24	17	280	30	23
28	362	10	9.8	240	20	13	2200	427	3980
29	340	7	6.4	210	22	12	1500	65	263
30	317	10	8.6	220	25	15	949	60	154
31	---	---	---	260	35	25	---	---	---
MONTH	12154	---	---	11821	---	---	14609	---	---

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	697	56	105	194	8	4.2	145	10	3.9
2	570	53	82	187	5	2.5	159	10	4.3
3	516	50	70	180	4	1.9	142	10	3.8
4	564	80	122	173	4	1.9	127	9	3.1
5	428	54	62	219	15	8.9	121	14	4.6
6	375	50	51	184	25	12	133	14	5.0
7	345	32	30	223	34	20	145	12	4.7
8	365	40	39	170	6	2.8	121	12	3.9
9	320	29	25	156	9	3.8	113	9	2.7
10	330	30	27	149	10	4.0	108	9	2.6
11	286	30	23	149	11	4.4	100	8	2.2
12	300	32	26	159	9	3.9	120	9	2.9
13	442	42	50	136	5	1.8	150	14	5.7
14	1390	320	1200	180	15	7.3	130	10	3.5
15	1240	262	877	149	9	3.6	120	10	3.2
16	879	67	159	231	50	31	110	13	3.9
17	672	55	100	201	9	4.9	110	13	3.9
18	570	75	115	166	5	2.2	100	8	2.2
19	837	160	362	149	7	2.8	190	20	10
20	576	80	124	142	8	3.1	200	20	11
21	711	125	240	130	9	3.2	180	22	11
22	499	42	57	130	8	2.8	130	12	4.2
23	433	34	40	130	10	3.5	400	121	177
24	380	20	21	124	8	2.7	1550	631	2630
25	455	25	31	127	8	2.7	2860	201	1570
26	355	25	24	177	26	12	2820	200	1520
27	305	20	16	142	11	4.2	2570	120	833
28	273	14	10	127	16	5.5	1320	64	228
29	251	8	5.4	118	12	3.8	914	50	123
30	227	3	1.8	159	10	4.3	697	34	64
31	208	5	2.8	156	10	4.2	---	---	---
MONTH	15799	---	---	5017	---	---	16085	---	---

YEAR 131632.0 30119.62

DELAWARE RIVER BASIN

01473800 SCHUYLKILL RIVER AT MANAYUNK, PHILADELPHIA, PA.

LOCATION.--Lat 40°01'41", long 75°13'44", Philadelphia County, at Green Lane Avenue Bridge, 5.5 mi (8.8 km) upstream from gaging station at Fairmount Dam, and 14.2 mi (22.3 km) upstream from mouth.

DRAINAGE AREA.--1,830 mi² (4,740 km²), at Fairmount Dam.

PERIOD OF RECORD.--Water temperatures: November 1956 to September 1959.
Sediment records: November 1947 to September 1975.

EXTREMES.--1974-75:
Sediment concentrations: Maximum daily, 900 mg/l July 14; minimum daily, 2 mg/l Nov. 27-29, Dec. 1.
Sediment discharges: Maximum daily, 76,500 tons (69,400 t) July 14; minimum daily, 5.0 tons (4.5 t) Nov. 28, 29, Dec. 1.

Period of record:
Sediment concentrations: Maximum daily, 4,910 mg/l Dec. 30, 1948; minimum daily, 1 mg/l on many days.
Sediment discharges: Maximum daily, 650,000 tons (590,000 t) (estimated) Aug. 19, 1955; minimum daily, less than 0.05 tons (0.04 t) Sept. 2, 1966.

REMARKS.--Mean discharges given are for 01474500 Schuylkill River at Philadelphia (Fairmount Dam). Daily records do not include water diverted by the city of Philadelphia for municipal water supply. Unpublished records of temperature of sediment samples available in the district office at Harrisburg.

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2260	12	73	800	6	13	920	2	5.0
2	1700	9	41	792	7	15	1680	12	54
3	1420	12	46	792	6	13	2080	22	124
4	1280	16	55	801	5	11	1800	15	73
5	1200	11	36	926	12	30	1410	9	34
6	1130	12	37	946	19	49	1240	8	27
7	1070	10	29	921	9	22	1190	3	9.6
8	1030	14	39	818	24	53	7850	392	16500
9	1020	22	61	792	15	32	16400	670	29700
10	964	34	88	773	15	31	9250	180	4500
11	946	13	33	719	9	17	6040	62	1010
12	920	6	15	731	14	28	4540	35	429
13	914	9	22	1230	13	43	3850	18	187
14	893	14	34	1640	10	44	3330	14	126
15	849	9	21	1430	6	23	3010	12	98
16	2980	25	201	1280	3	10	6870	200	3710
17	4990	75	1010	1190	8	26	13500	250	9110
18	2530	32	219	1020	11	30	7960	90	1930
19	1670	20	90	1010	8	22	5920	35	559
20	1370	13	48	1010	7	19	4780	24	310
21	1220	10	33	1030	3	8.3	4100	16	177
22	1130	8	24	1120	5	15	3590	9	87
23	1080	7	20	1140	4	12	3210	7	61
24	1030	6	17	1050	3	8.5	2890	4	31
25	1010	8	22	1040	3	8.4	2710	5	37
26	1010	8	22	1030	5	14	2560	5	35
27	989	17	45	1010	2	5.5	2340	6	31
28	917	26	64	925	2	5.0	2140	4	23
29	895	11	27	932	2	5.0	2040	5	25
30	882	8	19	921	4	9.9	1910	6	31
31	824	8	18	---	---	---	1870	6	30
MONTH	42123	---	2509	29819	---	622.6	132940	---	59086.6

DELAWARE RIVER BASIN

01473800 SCHUYLKILL RIVER AT MANAYUNK, PHILADELPHIA, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2100	5	28	6450	26	453	6160	16	266
2	2710	5	37	4900	30	397	5320	13	187
3	2390	7	45	4360	15	177	4650	11	138
4	2050	8	44	3900	7	74	4050	11	120
5	1920	6	31	3690	8	80	3600	14	136
6	1850	5	25	3820	6	62	3330	22	198
7	2870	4	31	3960	8	86	3170	20	171
8	2940	12	95	3540	6	57	3130	15	127
9	6380	200	3450	2910	5	39	2980	17	137
10	8490	180	4130	2710	6	44	2520	10	68
11	7010	55	1040	2520	5	34	2520	4	27
12	6660	34	611	2470	5	33	2480	5	33
13	6380	30	517	2390	7	45	3740	8	81
14	7920	35	748	2330	13	82	3420	10	92
15	5440	10	147	2150	6	35	3480	8	75
16	4540	5	61	2160	5	29	4280	8	92
17	4020	12	130	2250	3	18	3720	5	50
18	4240	17	195	4180	5	58	3400	12	110
19	6520	54	951	6950	14	263	6510	180	3160
20	10000	107	3130	6930	20	374	30200	775	63200
21	5380	45	654	5380	20	291	17000	210	9640
22	3990	17	183	4510	10	122	10900	63	1850
23	3630	14	137	5610	15	227	8660	45	1050
24	3340	8	72	0	290	12200	7330	42	831
25	4360	25	294	23300	850	53500	9020	50	1220
26	9510	130	3370	14400	340	13200	6630	15	269
27	6660	55	989	9880	75	1960	5270	17	242
28	5140	22	305	7380	18	359	4680	14	177
29	5200	14	197	---	---	---	4420	8	95
30	7470	20	403	---	---	---	4840	10	131
31	6970	15	282	---	---	---	5280	12	171
MONTH	158080	---	22332	144830.0	---	84297	186690	---	84144

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4190	9	102	2870	18	139	9340	175	4410
2	3710	8	80	3400	12	110	4980	115	1550
3	4120	35	389	3240	15	131	3020	35	285
4	10700	250	7220	3680	22	219	2480	40	268
5	7830	120	2540	8760	60	1420	2480	35	234
6	6150	52	863	7330	22	435	8250	150	3340
7	5210	20	281	6380	25	431	8570	145	3360
8	4560	8	98	5340	18	260	5260	40	568
9	4030	11	120	4420	14	167	4010	28	303
10	3630	10	98	3860	14	146	3320	24	215
11	3330	15	135	3570	12	116	2840	20	153
12	3150	13	111	3360	15	136	6120	122	3230
13	2950	14	112	4310	18	209	15500	318	15100
14	2880	18	130	4720	20	255	6730	100	1820
15	2570	22	153	3830	13	134	4530	80	978
16	2710	20	146	4600	20	248	3830	65	672
17	2530	28	191	5080	23	315	3640	40	393
18	2340	23	145	3650	20	197	3170	34	291
19	2290	12	74	3240	11	96	2860	25	193
20	2270	10	61	2980	13	105	2850	28	215
21	2100	16	91	2840	19	146	2570	32	222
22	1910	11	57	2640	19	135	2100	20	113
23	1790	14	68	5410	40	584	1930	13	68
24	2820	35	191	4310	20	233	1980	18	96
25	5410	170	2480	3040	19	156	1730	28	131
26	13100	290	10300	2690	21	153	1980	16	86
27	5650	95	1450	2560	24	166	2020	18	98
28	3870	47	491	2360	18	115	2900	35	274
29	3330	33	297	2070	30	168	11100	400	12000
30	3070	15	124	2240	22	133	6040	100	1630
31	---	---	---	2200	16	95	---	---	---
MONTH	123200	---	28598	120980	---	7353	138130	---	52296

DELAWARE RIVER BASIN

01473800 SCHUYLKILL RIVER AT MANAYUNK, PHILADELPHIA, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		JULY			AUGUST			SEPTEMBER	
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4580	60	742	2360	12	76	1610	21	90
2	3490	45	424	2130	14	81	1180	18	57
3	2960	40	320	1470	12	46	1160	15	46
4	2980	45	362	1040	18	50	1060	12	35
5	2960	35	280	2530	15	102	1000	12	32
6	2630	40	284	2700	14	139	959	12	31
7	2790	38	286	2690	16	131	993	14	38
8	2300	33	205	2460	20	133	1010	13	35
9	2170	30	176	1460	15	74	930	12	29
10	2350	30	190	1670	18	65	830	14	32
11	2180	27	159	1570	12	51	760	15	32
12	1960	25	132	1600	17	73	1010	20	53
13	16000	800	34600	1490	20	80	1060	30	134
14	31500	900	76500	1450	18	39	1020	27	116
15	15600	240	10100	1700	10	45	1070	20	58
16	10400	160	4490	1640	29	139	966	15	39
17	7280	65	1280	2340	29	154	895	12	29
18	6170	35	583	1890	15	77	850	7	16
19	4960	22	295	1540	28	93	973	7	18
20	4640	20	251	1420	18	67	1140	11	35
21	11800	370	13300	1350	12	44	2410	50	374
22	6680	160	2890	1170	10	32	1930	35	183
23	4600	35	435	1100	12	38	8500	98	2670
24	3720	20	201	1170	12	38	15400	330	13800
25	6220	110	1850	2840	80	603	25300	560	37000
26	7450	55	1110	1350	25	91	26500	220	12200
27	5320	35	503	1250	22	74	18200	180	7800
28	4080	35	386	1180	24	75	17000	100	3400
29	3430	28	259	1010	19	52	8260	50	1120
30	2910	23	181	965	16	42	6170	30	500
31	2590	18	126	1230	20	66	---	---	---
MONTH	188700	---	152900	53805	---	2754	134332	---	82129
YEAR	1458669		589021.2						

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
DEC.					
08...	2140	22800	1000	61600	94
09...	0450	17800	804	38600	91
09...	1140	16900	685	31300	88
09...	1910	14300	619	23900	87
FEB.					
24...	1005	8550	229	5290	97
24...	1240	10700	349	10100	94
24...	1910	14300	406	15700	93
25...	0500	28400	1230	94300	93
MAR.					
19...	1405	3740	128	1290	90
20...	0730	36200	1180	115000	93
20...	1810	24400	466	30700	83
21...	0705	18700	313	15800	88
21...	1815	14300	114	4400	93
JULY					
13...	1300	24400	1360	89600	97
14...	1315	38000	798	81900	88
SEP.					
24...	0510	11100	150	4500	97
24...	1210	14300	302	11700	96
25...	0500	28600	798	61600	93
25...	1310	24400	468	30800	89
25...	1830	22800	317	19500	90
25...	2325	21900	27	16000	87
26...	0950	20900	241	13600	89
26...	1935	19000	159	8160	90
27...	1905	18200	186	9140	93

01473800 SCHUYLKILL RIVER AT MANAYUNK, PHILADELPHIA, PA.--Continued

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM	PER CENT COAL
DEC.											
08...	2140	--	38	54	72	90	98	99	100	--	--
FEB.											
25...	0500	--	33	50	67	83	97	99	100	--	--
MAR.											
20...	0730	156	42	58	73	88	96	99	100	--	<1
JULY											
13...	1300	--	43	63	80	93	99	100	--	--	--
14...	1315	--	39	54	66	80	92	97	99	100	--
SEP.											
25...	0500	--	38	51	60	85	98	99	100	--	--

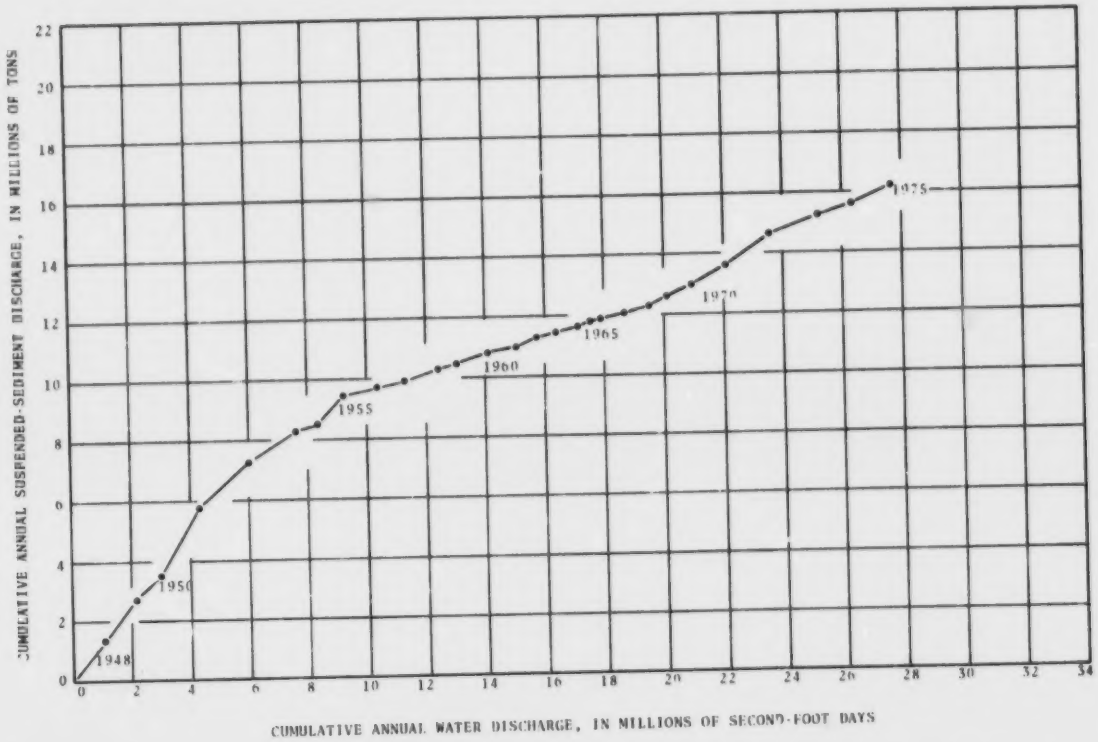

Figure 6.--Double mass accumulation of annual suspended sediment discharge versus annual water discharge, Schuylkill River at Manayunk, Philadelphia, Pa.

Table 7.--Suspended sediment concentration-duration table, Schuylkill River at Manayunk, Philadelphia

Period	Mean daily concentration, in milligrams per litre, that was equaled or exceeded for indicated percentage of time													
	1	2	5	10	20	30	40	50	60	70	80	90	95	99
1975	710	370	220	110	39	26	21	18	15	12	8	6	5	3
1960-75	440	280	120	51	26	20	16	14	12	10	8	6	5	4

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.

LOCATION.--Lat 39°59'42", long 75°11'40", Philadelphia County, at Belmont Filter Plant, 1.6 mi (2.6 km) upstream from gaging station, located 40 ft (12 m) upstream from Fairmount Dam, 1,000 ft (305 m) upstream from Spring Garden Street Bridge, Philadelphia, and 8.2 mi (13.2 km) upstream from mouth.

DRAINAGE AREA.--1,890 mi^2 (4,900 km^2), at Fairmount Dam.

PERIOD OF RECORD.--Chemical analyses: October 1945 to September 1975.
Biological analyses: February to September 1975.
Water temperatures: October 1945 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 580 micromhos Nov. 7; minimum, 198 micromhos July 13.
Dissolved oxygen: Maximum, 13.7 mg/l Feb. 5; minimum, 3.7 mg/l July 30.
pH: Maximum, 9.2 Aug. 21; minimum, 6.1 Sept. 12.
Water temperatures: Maximum, 30.0°C Aug. 3-5; minimum, freezing point Jan. 17, 18, Feb. 14, 15.

Period of record:
Specific conductance (1963-75): Maximum, 972 micromhos June 25, 1965; minimum, 128 micromhos Sept. 14, 1971.
Dissolved oxygen (1966-75): Maximum, 15.5 mg/l Feb. 4, 1973; minimum, 0.4 mg/l July 24, 1971.
pH (1968-75): Maximum, 10.1 Aug. 12, 1969; minimum, 5.7 Dec. 21, 1973.
Water temperatures: Maximum, 31.5°C July 10, 1974; minimum, freezing point on many days during winter periods.

REMARKS.--Water-quality recorder located at Belmont raw-water pumping station on west side of river near Columbia Bridge.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
FEB.												
26...	1330	13900	7.4	18	6.6	9.3	2.4	45	0	37	35	15
APR.												
10...	1030	3500	8.2	27	9.4	9.8	2.0	56	0	46	52	15
MAY												
29...	1130	2070	8.3	30	11	11	2.5	76	--	62	53	17
JUNE												
24...	1045	1590	8.0	32	11	16	3.7	78	0	64	58	22
JULY												
22...	1000	6520	8.6	22	6.8	7.5	3.0	55	0	45	31	11
AUG.												
28...	1500	1080	8.6	40	13	17	3.5	103	0	84	73	23
SEP.												
23...	1330	7500	8.0	38	14	18	3.5	84	0	69	78	24

DATE	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
FEB.												
26...	.1	2.2	.33	.77	1.1	3.3	.23	134	116	72	35	240
APR.												
10...	.3	2.4	.28	.34	.62	3.0	.16	173	152	110	60	320
MAY												
29...	.1	2.5	.22	.27	.49	3.0	.24	180	170	120	58	350
JUNE												
24...	.2	2.3	.08	.59	.67	3.0	.23	221	190	130	61	375
JULY												
22...	.2	1.4	.13	.67	.80	2.2	.20	140	117	83	38	240
AUG.												
28...	.3	2.7	.50	1.7	2.2	4.9	.28	308	229	150	69	440
SEP.												
23...	.1	2.6	.24	.63	.87	3.5	.38	255	225	150	84	425

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL PHYTOPLANKTON (CELLS PER ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
FEB. 26...	7.1	7.5	60	12.0	5.7	3900	8400	3400	--	91	3420	100
APR. 10...	7.3	9.0	7	11.0	4.5	360	7800	2300	2.5	13	126	100
MAY 29...	7.2	24.0	4	7.6	7.7	12000	2200	800	--	55	307	88
JUNE 24...	8.4	27.0	7	9.5	.5	37000	--	--	3.7	37	159	82
JULY 22...	7.6	26.0	48	7.7	2.2	36000	3300	E180	--	91	1600	100
AUG. 28...	7.7	26.5	10	6.8	3.3	16000	9200	960	--	45	131	73
SEP. 23...	7.0	20.0	20	8.7	13	8500	3400	560	--	--	--	--

DATE	TIME	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)
APR. 10...	1030	530	50	230	0	230	2	0	2	0	0
JUNE 24...	1045	270	30	130	90	40	2	1	1	0	0

DATE	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUSPENDED COBALT (CO) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
APR. 10...	0	<10	0	<10	3	1	2	0	0	10	6
JUNE 24...	0	10	0	10	1	0	1	10	0	10	5

DATE	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
APR. 10...	3	3	<.5	.0	<.5	0	0	0	190	60	130
JUNE 24...	2	3	.5	.0	.5	1	0	1	40	0	40

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Feb 25	1330	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Cyclotella	429	11	
		....Fragilaria	546	14	
		....Gomphonema	429	11	
		....Navicula	1053	27	
		....Synedra	741	19	
		OTHER	702	18	
		TOTAL	3900		
April 10	1030	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Cyclotella	198	55	
		....Gomphonema	25	7	
		....Navicula	47	13	
		....Synedra	29	8	
		OTHER	61	17	
		TOTAL	360		
May 29	1130	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Scenedesmus	960	8	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Cyclotella	9120	76	
		....Navicula	480	4	
		....Nitzschia	480	4	
		OTHER	960	8	
		TOTAL	12000		
June 24	1045	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Ankistrodesmus	1110	3	
		....Coelastrum	1850	5	
		....Crucigenia	1480	4	
		....Kirchneriella	1480	4	
		....Micractinium	5180	14	
		....Oocystis	2590	7	
		....Scenedesmus	14430	39	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Cyclotella	1110	3	
		....Melosira	740	2	
		....Nitzschia	740	2	
		OTHER	6290	17	
		TOTAL	37000		
July 22	1000	CHRYSOPHYTA			Depth integrated sampler
		.Bacillariophyceae			
		....Cyclotella	360	1	
		....Navicula	360	1	
		CYANOPHYTA			
		.Myxophyceae			
		....Anacystis	35280	98	
		TOTAL	36000		

DELAWARE RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA
WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

Date	Time	Organism	Count (cells/ml)	Percent of total	Sampling method
Aug 25	1500	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Kirchneriella	2080	13	
		....Pediastrum	1440	9	
		....Scenedesmus	10240	64	
		CYANOPHYTA			
		.Myxophyceae			
		....Anacystis	1440	9	
		OTHER	800	5	
		TOTAL	16000		
Sept 24	1330	CHLOROPHYTA			Depth integrated sampler
		.Chlorophyceae			
		....Coelastrum	1615	19	
		....Crucigenia	425	5	
		....Pediastrum	1615	19	
		....Scenedesmus	2295	27	
		CHRYSOPHYTA			
		.Bacillariophyceae			
		....Fragilaria	425	5	
		....Melosira	170	2	
		....Navicula	340	4	
		CYANOPHYTA			
		.Myxophyceae			
		....Oscillatoria	340	4	
		OTHER	1275	15	
		TOTAL	8500		

PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2) Dry weight	Biomass (g/m^2) Ash weight	Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling method
Apr 10	42	14.0	12.0	9.6	1.0	210	Polyethylene strip (artificial substrate)
July 22	28	4.9	3.9	5.6	2.6	180	

DELAWARE RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	338	297	314	554	548	---	---	---	---	407	381	389
2	371	341	360	549	538	545	---	---	---	393	385	389
3	376	367	370	537	521	527	488	477	---	390	385	387
4	393	377	389	521	494	515	486	454	472	420	390	407
5	409	393	404	---	---	---	450	424	433	419	411	415
6	407	398	402	---	---	---	428	406	417	411	392	402
7	411	407	409	580	542	---	417	408	413	389	369	379
8	433	411	425	546	542	---	408	401	---	367	348	358
9	442	363	435	---	---	---	---	---	---	352	317	338
10	437	427	432	---	---	---	---	---	---	321	284	297
11	425	419	422	522	510	---	253	250	---	328	296	306
12	421	418	419	511	498	503	285	279	---	318	298	305
13	422	417	420	506	496	501	310	294	---	326	301	311
14	427	421	425	507	491	501	310	263	---	327	309	319
15	444	426	437	488	471	---	---	---	---	339	324	331
16	463	408	442	---	---	---	---	---	---	336	327	332
17	465	362	406	---	---	---	252	217	---	337	325	329
18	363	355	360	---	---	---	296	261	287	362	336	344
19	366	356	363	507	504	---	300	283	292	352	343	---
20	362	347	353	516	505	511	294	283	289	324	310	---
21	412	361	388	516	483	505	316	295	304	320	298	308
22	449	412	435	492	474	480	323	316	319	355	319	339
23	457	449	452	472	440	452	327	317	322	383	355	371
24	469	457	464	457	440	450	324	316	321	399	383	392
25	467	457	460	467	452	459	332	322	328	423	394	411
26	461	451	455	485	467	477	348	331	339	398	317	345
27	457	446	451	484	478	481	366	350	358	334	312	322
28	453	449	---	484	481	---	367	364	366	342	330	336
29	465	453	461	---	---	---	364	347	353	355	337	348
30	476	459	467	---	---	---	371	350	361	351	329	339
31	489	476	---	---	---	---	409	371	385	328	313	318
MONTH	489	297	414	---	---	---	488	217	---	423	284	351

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	333	306	318	---	---	---	353	305	325	346	340	344
2	313	306	310	---	---	---	354	347	351	344	335	342
3	326	306	316	298	292	---	361	354	358	342	331	337
4	347	316	321	305	293	299	360	323	---	333	313	323
5	438	330	395	321	304	312	292	215	279	319	268	299
6	428	405	417	340	323	333	289	278	284	285	270	277
7	414	406	412	346	335	342	295	280	285	306	282	294
8	420	402	409	354	341	349	307	295	301	287	279	284
9	407	392	402	347	341	---	317	305	310	288	276	283
10	398	370	386	359	347	---	343	335	---	299	288	293
11	380	366	374	358	351	355	351	343	349	300	297	298
12	412	380	396	364	352	356	358	351	356	305	300	302
13	442	400	414	372	358	366	360	357	359	309	300	306
14	437	408	418	384	351	362	366	357	363	303	300	---
15	434	414	422	364	348	357	368	356	361	---	---	---
16	433	423	429	347	338	---	354	349	352	---	---	---
17	433	416	424	360	350	---	350	345	---	---	---	---
18	433	405	423	351	345	347	---	---	---	---	---	---
19	405	342	373	345	341	343	---	---	---	---	---	---
20	340	322	327	343	339	341	---	---	---	---	---	---
21	343	326	---	382	333	351	---	---	---	335	322	328
22	---	---	---	---	---	---	407	403	---	350	328	337
23	---	---	---	---	---	---	403	397	401	369	324	353
24	---	---	---	---	---	---	397	384	394	316	294	300
25	---	---	---	---	---	---	384	324	367	326	312	320
26	236	227	---	279	273	---	325	321	---	324	321	323
27	249	233	238	294	279	288	---	---	---	351	317	336
28	258	250	---	302	295	298	---	---	---	355	346	350
29	---	---	---	307	301	304	341	325	---	361	347	353
30	---	---	---	307	304	305	347	341	345	358	348	---
31	---	---	---	305	297	300	---	---	---	---	---	---
MONTH	442	227	---	384	273	---	407	215	---	---	---	---

DELAWARE RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	313	293	302	402	371	387	497	484	488
2	271	240	251	340	314	326	399	371	381	531	498	513
3	287	273	282	367	341	358	375	357	366	551	536	546
4	297	278	288	371	362	368	370	354	363	542	504	516
5	313	290	301	384	370	379	401	356	377	501	491	495
6	307	291	---	401	382	395	393	376	387	494	490	491
7	---	---	---	408	341	387	394	375	384	494	488	491
8	---	---	---	396	386	393	417	372	393	497	486	491
9	303	299	---	386	370	379	413	386	397	499	485	490
10	298	289	292	380	367	372	389	376	381	512	500	506
11	305	293	300	392	382	388	413	389	403	528	513	521
12	315	300	308	389	357	374	419	407	411	530	513	525
13	302	302	---	356	198	278	421	416	418	511	483	496
14	---	---	---	257	208	222	428	421	424	481	442	451
15	---	---	---	285	221	251	439	425	431	460	449	454
16	313	292	---	308	289	300	447	395	425	462	450	459
17	---	---	---	304	293	299	463	448	459	458	440	448
18	320	317	---	312	304	310	463	451	458	438	421	427
19	333	318	326	325	306	318	451	440	447	436	432	---
20	343	333	351	343	326	334	439	419	425	---	---	---
21	364	359	362	338	262	299	443	435	439	---	---	---
22	381	358	365	286	247	265	447	435	440	449	438	---
23	389	360	377	329	279	303	451	437	445	446	422	---
24	366	351	361	340	330	336	457	445	448	---	---	---
25	367	332	356	337	245	293	506	457	477	---	---	---
26	377	366	372	348	286	323	508	394	479	---	---	---
27	383	375	378	343	303	313	383	266	320	---	---	---
28	395	378	386	301	288	294	463	392	440	---	---	---
29	414	237	312	309	291	300	486	465	480	---	---	---
30	293	239	269	341	315	325	492	477	486	274	263	---
31	---	---	---	373	342	362	487	481	485	---	---	---
MONTH	414	237	---	408	198	327	508	266	421	---	---	---

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.6	8.2	8.4	7.8	7.2	---	12.1	11.6	11.9	10.8	10.6	10.8
2	9.0	8.3	8.7	7.3	6.8	---	11.6	10.9	11.2	11.1	10.6	10.8
3	9.2	8.6	8.9	---	---	---	11.9	10.7	11.3	11.4	11.1	11.2
4	10.0	8.7	9.3	---	---	---	12.0	11.1	11.6	11.3	11.1	11.2
5	10.0	9.0	9.5	---	---	---	12.4	12.0	12.2	11.2	10.9	11.1
6	9.5	8.9	9.2	---	---	---	12.3	11.9	12.1	11.2	11.0	11.1
7	10.1	8.7	9.2	---	---	---	11.9	11.2	11.6	11.2	10.8	11.0
8	9.5	7.7	8.6	---	---	---	11.3	10.6	---	12.1	11.3	11.7
9	8.3	6.5	7.6	---	---	---	---	---	---	12.3	11.6	12.0
10	8.8	7.0	7.6	---	---	---	---	---	---	12.1	11.4	11.8
11	8.9	6.8	7.8	9.3	8.5	---	---	---	---	12.5	12.1	12.4
12	7.9	7.1	7.5	9.1	8.3	8.7	12.8	12.2	---	12.5	10.1	---
13	7.4	6.0	6.8	8.8	8.2	8.4	12.6	12.4	---	12.2	10.9	11.6
14	6.3	5.9	6.1	8.9	8.5	8.7	12.4	11.8	12.0	12.9	12.3	12.7
15	7.8	5.9	6.7	8.9	7.2	---	11.9	11.7	11.8	13.3	12.9	13.1
16	7.9	6.1	7.1	---	---	---	---	---	---	13.4	13.2	13.3
17	9.2	7.8	8.8	---	---	---	11.7	11.5	---	13.5	13.1	13.2
18	9.0	8.7	8.8	---	---	---	11.9	11.5	11.8	13.3	12.9	13.2
19	9.1	8.6	8.8	11.0	10.5	---	11.9	11.6	11.8	13.2	12.6	12.8
20	9.2	8.7	8.9	10.7	9.8	10.4	11.8	11.6	11.7	12.7	12.5	---
21	9.7	8.9	9.3	9.9	9.2	9.7	11.6	11.3	11.4	---	---	---
22	9.9	9.6	9.8	10.1	9.5	9.8	11.3	11.2	11.3	---	---	---
23	10.0	9.2	9.6	11.0	10.1	10.7	11.4	11.2	11.3	---	---	---
24	9.3	8.8	9.1	11.0	10.6	10.8	11.8	11.1	11.5	---	---	---
25	9.1	8.4	8.8	10.8	10.1	10.4	11.6	11.2	11.4	---	---	---
26	8.5	8.1	8.2	11.3	10.0	10.7	11.5	11.2	11.4	---	---	---
27	8.5	8.0	8.3	11.9	11.3	11.7	11.7	11.5	11.6	---	---	---
28	8.0	7.5	---	11.7	11.1	11.5	11.6	11.5	11.5	---	---	---
29	8.2	7.5	7.9	11.4	11.0	11.2	11.5	11.5	11.5	---	---	---
30	8.0	7.3	7.5	12.1	11.0	11.7	11.4	11.2	11.2	---	---	---
31	7.3	7.0	---	---	---	---	11.2	10.8	11.0	---	---	---
MONTH	10.1	5.9	8.4	---	---	---	12.8	10.6	---	---	---	---

DELAWARE RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	12.4	12.1	---	---	---	---	9.6	8.8	9.1
2	---	---	---	12.4	12.2	12.3	---	---	---	9.8	8.3	9.2
3	---	---	---	12.5	12.2	12.3	---	---	---	9.3	8.7	9.0
4	---	---	---	12.5	12.2	12.4	---	---	---	8.7	8.1	8.3
5	13.7	13.5	---	12.5	12.3	12.4	---	---	---	8.9	8.3	---
6	13.5	13.2	13.4	12.2	11.6	12.0	---	---	---	---	---	---
7	13.2	13.0	13.1	11.6	10.9	11.3	---	---	---	10.4	10.0	---
8	13.3	12.9	13.1	11.0	10.6	10.8	---	---	---	9.9	9.3	9.8
9	13.2	13.0	13.1	11.4	10.9	---	---	---	---	9.2	8.5	8.9
10	13.5	13.1	13.3	12.1	11.9	---	11.2	10.7	---	8.5	7.8	8.3
11	13.2	12.9	13.1	12.2	11.9	12.0	10.8	10.5	10.7	9.2	7.6	8.4
12	13.0	12.8	12.9	12.0	11.5	11.7	10.9	10.3	10.5	---	---	---
13	13.1	12.8	13.0	11.6	11.3	11.4	11.2	10.7	10.9	---	---	---
14	13.3	12.9	13.1	11.5	11.2	11.3	11.3	10.7	11.0	---	---	---
15	13.2	13.0	13.1	11.9	11.3	11.6	11.0	10.1	10.5	---	---	---
16	13.0	12.4	12.7	12.0	11.6	---	10.5	9.7	10.1	---	---	---
17	12.4	12.1	12.3	12.2	12.1	---	10.3	9.9	---	---	---	---
18	12.3	11.8	12.1	12.1	11.7	11.8	---	---	---	9.9	8.2	---
19	---	---	---	12.1	11.7	11.9	---	---	---	9.9	9.7	9.8
20	---	---	---	11.9	11.0	11.4	---	---	---	9.8	9.4	9.7
21	12.1	10.2	---	11.0	10.6	10.8	---	---	---	---	---	---
22	13.5	12.3	13.1	10.7	9.9	10.3	10.7	10.4	---	---	---	---
23	13.1	12.5	12.8	10.6	10.1	---	10.5	9.3	9.6	---	---	---
24	12.5	12.0	12.2	10.6	10.4	10.5	9.5	8.1	8.7	---	---	---
25	12.0	12.0	---	10.7	10.5	10.6	8.3	7.5	7.9	---	---	---
26	12.0	11.7	---	11.8	10.5	10.9	---	---	---	---	---	---
27	11.9	11.6	11.8	11.9	10.9	11.5	---	---	---	8.3	7.9	---
28	12.8	11.1	12.2	11.9	11.1	11.7	---	---	---	7.9	7.7	7.8
29	---	---	---	11.7	10.5	11.3	10.4	9.8	---	7.9	7.3	7.6
30	---	---	---	10.8	9.3	10.1	10.3	9.3	9.7	7.5	6.8	---
31	---	---	---	11.5	9.6	10.5	---	---	---	---	---	---
MONTH	13.7	10.2	---	12.5	9.3	11.4	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.1	7.6	7.9	6.5	4.6	5.5	10.5	7.7	9.1
2	7.4	7.2	---	8.4	7.5	7.9	---	---	---	9.1	7.8	8.3
3	7.2	7.0	---	8.5	7.1	7.6	---	---	---	8.2	6.8	7.5
4	---	---	---	8.7	6.7	7.7	---	---	---	8.3	6.9	7.5
5	---	---	---	8.7	6.6	7.6	---	---	---	8.3	7.0	7.6
6	---	---	---	8.5	6.6	7.6	6.5	5.0	5.8	7.6	6.3	6.8
7	---	---	---	8.5	6.7	7.2	6.7	5.1	5.9	7.2	5.8	6.4
8	---	---	---	9.5	6.6	7.7	7.2	6.0	6.6	6.1	5.6	---
9	8.0	7.6	---	8.9	6.4	7.5	7.5	6.2	6.8	---	---	---
10	7.8	7.4	7.6	8.9	5.8	7.1	7.6	5.6	6.6	---	---	---
11	7.6	7.1	7.3	9.4	6.4	7.8	6.6	5.4	---	---	---	---
12	7.3	6.7	6.9	8.1	6.5	7.3	---	---	---	---	---	---
13	7.8	7.1	---	8.2	6.6	7.4	---	---	---	---	---	---
14	---	---	---	7.7	6.1	6.6	---	---	---	---	---	---
15	---	---	---	8.3	6.1	6.7	---	---	---	---	---	---
16	9.0	7.5	---	7.1	6.9	---	---	---	---	---	---	---
17	8.7	7.1	7.8	---	---	---	---	---	---	---	---	---
18	---	---	---	8.9	8.1	8.6	---	---	---	---	---	---
19	---	---	---	8.2	7.2	7.8	---	---	---	---	---	---
20	---	---	---	7.8	6.6	7.2	---	---	---	---	---	---
21	---	---	---	7.2	6.7	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	11.2	9.5	---	7.7	7.1	7.4	---	---	---	---	---	---
24	11.8	6.1	8.7	8.0	6.8	7.4	---	---	---	10.1	8.9	9.7
25	---	---	---	7.1	6.4	---	9.9	7.7	---	10.7	8.6	9.6
26	---	---	---	---	---	---	8.1	6.0	7.0	10.9	9.8	---
27	---	---	---	---	---	---	6.0	5.3	5.7	---	---	---
28	---	---	---	7.0	6.5	---	7.4	5.4	6.2	---	---	---
29	---	---	---	6.0	4.5	5.6	8.5	5.7	7.0	9.7	9.4	---
30	7.9	7.6	---	6.5	3.7	5.1	---	---	---	9.9	9.0	9.6
31	---	---	---	6.9	4.2	5.7	9.8	7.8	8.6	---	---	---
MONTH	---	---	---	9.5	3.7	---	---	---	---	---	---	---

DELAWARE RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.4	7.5	7.5	7.2	---	7.6	7.5	7.6	7.2	7.1	7.1
2	7.6	7.5	7.6	7.6	7.4	7.5	7.6	7.5	---	7.4	7.2	7.3
3	7.7	7.6	7.6	7.5	7.3	7.5	7.8	7.6	---	7.3	7.3	7.3
4	7.8	7.6	7.7	7.6	7.3	7.5	7.7	7.7	7.7	7.3	7.2	7.2
5	7.7	7.6	7.7	7.4	7.4	---	7.7	7.6	7.7	7.4	7.3	7.3
6	7.7	7.6	7.6	---	---	---	7.6	7.6	7.6	7.4	7.2	7.3
7	7.8	7.5	7.7	7.7	7.6	---	7.6	7.3	7.5	7.5	7.1	7.3
8	8.0	7.7	7.8	7.8	7.6	7.8	7.4	6.9	7.2	7.5	7.2	7.4
9	8.4	7.8	7.9	7.8	7.7	---	7.6	7.1	---	7.3	7.0	7.1
10	8.1	7.7	7.9	---	---	---	---	---	---	6.9	6.7	6.8
11	7.9	7.6	---	7.7	7.5	---	7.5	7.4	---	---	---	---
12	7.7	7.0	---	7.5	7.2	7.4	7.6	7.4	7.5	6.9	6.6	---
13	7.6	7.3	7.5	7.6	7.4	7.5	7.5	7.4	---	7.1	6.9	7.0
14	7.5	7.1	7.4	7.7	7.5	7.6	7.4	7.3	---	7.2	7.0	7.1
15	7.8	7.1	7.4	7.5	7.3	---	---	---	---	7.2	7.2	7.2
16	7.6	7.0	7.2	---	---	---	---	---	---	7.1	7.1	7.1
17	7.2	6.9	7.0	---	---	---	6.8	6.6	---	7.2	7.1	7.2
18	7.0	6.9	7.0	---	---	---	7.0	6.8	6.9	7.2	6.9	7.1
19	7.1	7.0	7.0	8.0	7.9	---	7.0	6.9	7.0	---	---	---
20	7.1	7.0	7.1	7.8	7.6	7.7	7.0	7.0	7.0	7.1	6.9	---
21	7.2	7.1	7.1	7.8	7.7	7.8	7.0	7.0	7.0	7.2	7.1	7.2
22	7.2	7.2	7.2	7.9	7.8	7.9	7.1	7.0	7.1	7.2	7.1	7.2
23	7.2	7.0	7.1	7.9	7.9	7.9	7.1	7.0	7.1	7.2	7.1	7.2
24	7.4	7.1	7.2	7.9	7.8	7.9	7.2	7.0	7.1	7.2	7.1	7.2
25	7.3	7.0	7.2	7.8	7.7	7.8	7.2	7.2	7.2	7.1	6.5	6.9
26	7.3	7.0	7.3	7.9	7.7	7.8	7.3	7.2	7.3	7.3	7.0	---
27	7.4	7.3	7.3	7.8	7.7	7.7	7.3	7.2	7.3	7.4	7.3	---
28	7.4	7.3	---	7.7	7.6	7.6	7.3	7.2	7.2	7.3	7.2	7.2
29	7.6	7.3	7.5	7.6	7.5	7.6	7.3	7.2	7.2	7.2	6.8	7.1
30	7.3	6.9	---	7.6	7.5	7.6	7.2	7.1	7.1	7.4	7.1	7.3
31	7.3	7.0	---	---	---	---	7.3	7.2	7.2	7.4	7.2	7.3
MONTH	8.4	6.9	7.4	8.0	7.2	---	7.8	6.6	---	7.5	6.5	7.2

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	7.2	7.2	---	---	---	---	---	---	7.2	7.2	7.2
2	7.5	7.3	7.4	---	---	---	---	---	---	7.2	7.1	7.2
3	7.6	7.5	7.5	7.6	7.6	---	---	---	---	7.2	7.1	7.2
4	7.6	7.5	7.6	7.7	7.6	7.6	---	---	---	7.2	7.1	7.1
5	7.7	7.3	7.5	7.7	7.6	7.6	---	---	---	7.2	7.1	7.1
6	7.6	7.5	7.6	7.6	7.5	7.5	---	---	---	7.1	7.0	7.0
7	7.8	7.6	7.6	7.5	7.4	7.5	---	---	---	7.1	7.0	7.0
8	7.8	7.7	7.8	7.8	7.4	7.6	---	---	---	7.1	7.1	7.1
9	7.8	7.6	7.7	7.8	7.7	---	---	---	---	7.2	7.1	7.1
10	7.8	7.4	7.7	7.8	7.7	---	7.3	6.8	7.1	7.2	7.1	7.1
11	7.7	7.5	7.6	7.7	7.6	7.6	7.3	7.3	7.3	7.2	7.1	7.2
12	7.6	7.5	7.6	7.6	7.4	7.5	7.3	7.3	7.3	7.2	7.0	7.1
13	7.7	7.5	7.6	7.6	7.4	7.5	7.3	7.3	7.3	7.1	6.9	7.0
14	7.7	7.6	7.7	7.6	7.5	7.5	7.4	7.3	7.3	7.1	7.0	7.0
15	7.7	7.6	7.7	7.7	7.5	7.6	7.3	7.3	7.3	7.0	6.7	6.9
16	7.6	7.4	7.5	7.6	7.5	---	7.3	7.3	7.3	7.0	6.7	6.9
17	7.5	7.4	7.4	7.7	7.3	---	7.3	7.3	7.3	7.2	6.9	7.1
18	7.4	7.3	7.4	---	---	---	7.3	7.2	7.3	7.2	6.7	7.0
19	7.3	7.2	7.2	---	---	---	7.3	7.1	7.2	6.8	6.7	6.8
20	7.4	7.2	7.3	---	---	---	7.4	7.3	7.3	6.8	6.7	---
21	7.4	7.2	---	---	---	---	7.4	7.3	7.3	---	---	---
22	---	---	---	---	---	---	7.4	7.3	7.3	6.9	6.6	---
23	---	---	---	---	---	---	7.3	7.2	7.3	6.9	6.7	6.8
24	---	---	---	---	---	---	7.3	7.0	7.2	6.9	6.6	6.8
25	---	---	---	---	---	---	7.1	7.0	7.0	7.0	7.0	---
26	7.2	7.2	---	---	---	---	7.1	7.0	7.0	7.0	6.7	6.9
27	7.2	7.1	7.2	---	---	---	7.1	7.0	7.1	7.0	6.7	6.8
28	7.3	7.2	---	---	---	---	7.2	7.1	7.1	7.1	7.0	7.1
29	---	---	---	---	---	---	7.2	7.1	7.2	7.1	7.0	7.1
30	---	---	---	---	---	---	7.3	7.2	7.2	7.1	6.7	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	7.8	7.1	---	---	---	---	---	---	---	7.2	6.6	7.0

DELAWARE RIVER BASIN

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.9	7.6	7.7	8.6	7.1	7.8	8.6	8.0	8.2
2	6.9	6.8	---	8.2	7.7	7.9	7.1	6.7	---	8.2	7.3	7.9
3	6.9	6.7	6.8	8.3	7.7	7.9	---	---	---	8.3	7.2	7.9
4	7.0	6.9	6.9	---	---	---	---	---	---	8.1	7.5	7.8
5	6.9	6.8	6.8	---	---	---	---	---	---	8.3	7.4	7.9
6	6.7	6.6	---	---	---	---	8.2	7.5	7.9	---	---	---
7	---	---	---	8.1	7.7	---	7.7	7.6	7.7	---	---	---
8	---	---	---	---	---	---	7.6	7.4	7.5	7.8	7.3	---
9	7.1	7.0	---	---	---	---	7.6	7.4	7.5	8.2	7.2	7.8
10	7.1	7.0	7.0	---	---	---	7.7	7.3	7.5	8.0	7.7	7.8
11	7.1	7.0	7.0	---	---	---	8.2	6.8	7.5	7.8	7.2	7.5
12	7.0	6.9	---	---	---	---	8.5	7.6	8.0	7.4	6.1	6.7
13	---	---	---	---	---	---	8.5	7.6	8.0	7.9	7.5	7.7
14	---	---	---	---	---	---	8.3	7.5	7.8	7.8	7.6	7.7
15	---	---	---	---	---	---	8.5	8.0	8.2	7.9	7.7	7.8
16	---	---	---	---	---	---	8.2	7.5	7.8	7.8	7.5	7.7
17	---	---	---	---	---	---	7.6	7.0	7.4	7.5	7.5	---
18	---	---	---	8.1	6.9	---	8.1	6.9	7.5	---	---	---
19	---	---	---	8.0	7.4	7.7	8.4	7.8	8.1	---	---	---
20	---	---	---	8.1	6.9	---	8.9	7.8	8.3	---	---	---
21	7.4	6.9	7.2	---	---	---	9.2	8.2	8.6	---	---	---
22	7.4	7.1	7.2	---	---	---	8.7	8.0	---	7.2	6.9	7.1
23	7.6	7.1	7.3	---	---	---	9.0	8.3	8.6	7.1	7.0	---
24	7.5	7.0	7.3	---	---	---	8.7	7.8	---	---	---	---
25	7.5	6.6	7.1	7.2	6.7	---	---	---	---	---	---	---
26	7.4	7.0	7.2	7.9	7.0	7.6	7.4	6.7	---	---	---	---
27	7.1	6.8	6.9	7.4	7.1	7.3	7.4	6.7	7.1	---	---	---
28	6.8	6.6	---	7.8	7.1	---	7.9	7.2	7.6	---	---	---
29	---	---	---	8.1	6.9	7.5	8.5	7.7	8.0	---	---	---
30	7.5	7.0	---	8.3	7.2	---	8.4	7.8	---	---	---	---
31	---	---	---	8.6	7.5	8.1	8.6	7.5	8.2	---	---	---
MONTH	---	---	---	---	---	---	9.2	6.7	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.5	17.0	18.0	16.5	16.5	---	3.5	0.5	1.5	6.5	5.5	6.0
2	17.0	16.0	16.5	20.5	18.5	19.5	5.0	2.0	---	5.5	4.5	5.0
3	15.5	14.0	15.0	20.0	19.5	---	8.5	6.5	---	4.5	4.0	4.0
4	14.0	10.5	12.0	---	---	---	9.0	7.0	8.5	4.5	3.5	4.0
5	14.0	11.5	12.5	21.5	18.5	---	9.0	8.0	8.5	5.0	3.5	4.0
6	---	---	---	---	---	---	---	---	---	5.0	3.5	4.0
7	---	---	---	---	---	---	---	---	---	5.0	3.0	4.0
8	16.5	15.5	---	---	---	---	---	---	---	5.0	4.0	4.5
9	18.0	15.0	16.0	---	---	---	---	---	---	6.0	4.5	5.5
10	19.5	15.5	17.0	---	---	---	---	---	---	6.5	6.0	6.0
11	19.5	18.0	18.5	15.0	13.0	---	---	---	---	8.0	6.0	7.0
12	20.0	18.0	19.0	13.0	11.0	12.5	5.5	4.5	---	9.5	7.0	8.5
13	19.5	17.0	18.5	13.0	11.0	11.5	5.5	3.5	4.5	9.5	7.0	9.0
14	19.0	18.5	18.5	12.0	10.5	11.5	6.5	5.5	5.5	7.0	5.0	6.0
15	21.0	18.5	20.0	12.0	11.5	---	6.0	5.0	5.5	4.5	3.0	4.0
16	20.5	17.0	18.5	---	---	---	6.5	5.0	5.5	3.5	1.0	2.5
17	19.0	16.5	18.0	---	---	---	6.5	5.0	6.0	3.0	0.0	1.0
18	16.5	15.0	16.0	---	---	---	6.0	5.0	5.5	1.0	0.0	0.5
19	15.5	14.0	14.5	9.0	8.0	---	5.0	4.5	5.0	1.0	0.5	---
20	14.0	13.0	13.5	9.5	8.5	9.0	5.0	4.5	4.5	4.0	3.5	---
21	11.5	10.5	11.0	9.5	6.5	7.5	5.5	4.5	5.0	3.5	3.0	3.0
22	13.5	10.0	11.5	8.0	6.0	7.0	5.5	5.0	5.0	4.0	3.0	3.0
23	15.5	11.5	13.5	6.5	5.0	6.0	6.0	5.0	5.0	4.5	3.0	4.0
24	16.0	13.0	14.5	7.0	5.5	6.0	7.0	5.0	6.0	6.0	4.0	5.0
25	13.5	12.0	13.0	7.0	6.0	6.5	8.0	6.0	6.5	6.5	5.0	---
26	14.5	13.5	14.0	6.0	4.0	5.0	8.0	5.5	6.5	---	---	---
27	14.5	13.5	14.0	4.0	2.0	3.5	6.5	5.5	6.0	4.5	4.0	---
28	17.0	14.5	---	4.0	2.0	3.0	6.5	5.5	6.0	5.0	4.0	4.5
29	18.0	15.5	16.5	5.5	1.5	---	6.5	5.5	6.0	6.0	4.5	5.5
30	19.0	16.5	18.0	4.0	1.5	3.0	8.0	6.0	6.5	7.0	6.0	6.5
31	19.0	18.5	---	---	---	---	6.0	5.5	5.5	6.5	5.5	6.0
MONTH	21.0	10.0	15.5	---	---	---	9.0	0.5	---	9.5	0.0	4.5

01474500 SCHUYLKILL RIVER AT PHILADELPHIA, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.5	5.0	5.5	---	---	---	10.0	8.0	9.0	15.5	15.0	15.5
2	5.5	4.5	5.0	---	---	---	11.5	9.5	10.5	16.0	15.0	15.5
3	5.0	4.0	4.5	---	---	---	11.5	10.5	11.0	16.5	15.0	16.0
4	4.0	3.0	3.5	5.5	4.5	---	11.0	8.0	9.0	16.0	15.5	16.0
5	3.5	2.0	3.0	6.0	3.5	5.0	7.0	6.0	6.5	15.5	14.0	15.0
6	4.0	3.5	3.5	7.0	5.0	6.0	6.5	5.5	6.0	15.0	14.5	15.0
7	4.5	3.5	4.0	8.0	6.5	7.5	7.0	5.5	6.5	15.0	14.0	14.5
8	4.0	3.0	3.5	8.5	6.5	8.0	9.0	6.5	7.5	16.0	14.5	15.5
9	3.5	2.0	3.0	6.5	4.0	---	10.0	8.0	9.0	18.0	16.0	17.0
10	3.0	1.0	1.5	6.5	5.0	---	10.5	9.5	---	19.0	16.5	18.0
11	2.0	1.0	1.5	7.0	6.0	6.5	11.5	10.0	11.0	19.0	17.0	18.5
12	2.0	0.5	1.0	8.5	7.0	8.0	12.0	11.0	11.5	19.5	18.0	19.0
13	1.5	0.5	1.0	10.5	8.5	9.5	11.5	10.5	11.0	20.0	19.0	19.5
14	1.5	0.0	0.5	10.0	8.5	9.0	13.0	10.5	11.5	20.0	19.0	19.5
15	1.5	0.0	1.0	9.5	8.5	9.0	12.0	11.0	11.5	20.0	19.5	20.0
16	3.5	1.0	2.5	8.5	8.5	---	13.0	11.0	12.0	21.0	20.0	20.5
17	3.5	3.0	3.5	8.0	8.0	---	13.0	11.5	---	21.5	20.5	21.0
18	5.0	3.5	4.0	8.0	7.0	7.0	---	---	---	20.5	20.0	20.0
19	5.5	4.0	5.0	9.0	7.0	8.5	---	---	---	21.0	19.5	20.0
20	6.0	4.5	5.0	9.0	8.5	9.0	---	---	---	23.0	20.5	21.5
21	6.0	4.5	---	8.5	8.5	---	---	---	---	24.0	21.5	23.0
22	---	---	---	9.0	8.5	8.5	15.0	14.0	---	25.5	23.5	24.5
23	---	---	---	10.0	9.0	---	16.5	13.5	14.5	26.0	24.0	25.0
24	---	---	---	10.0	9.5	10.0	16.5	14.5	15.5	25.5	24.0	25.0
25	---	---	---	10.0	10.0	---	18.0	16.0	17.0	25.0	23.5	24.0
26	---	---	---	10.5	9.5	---	16.5	14.5	16.0	23.5	22.0	23.0
27	---	---	---	9.0	8.5	9.0	15.0	14.0	14.5	23.5	21.5	22.5
28	---	---	---	9.0	7.0	8.0	15.5	14.0	15.0	24.0	22.0	23.0
29	---	---	---	8.5	8.0	8.0	15.0	14.5	14.5	25.0	23.0	24.0
30	---	---	---	9.5	8.5	8.5	16.0	14.5	15.0	24.0	23.0	23.5
31	---	---	---	9.0	8.0	8.5	---	---	---	24.5	23.0	24.0
MONTH	---	---	---	10.5	3.5	---	18.0	5.5	---	26.0	14.0	20.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	22.0	23.5	23.5	21.5	22.5	27.0	25.0	26.0	24.5	23.5	24.0
2	23.0	21.5	22.0	24.5	22.0	23.5	29.0	26.5	27.5	24.0	23.0	23.5
3	23.0	21.5	22.0	25.0	24.0	24.5	30.0	28.5	29.0	23.5	22.0	23.0
4	23.0	21.5	22.0	25.5	24.5	25.0	30.0	29.0	29.5	23.0	21.5	22.5
5	22.0	21.5	22.0	25.0	24.5	25.0	30.0	28.5	29.5	24.0	22.0	23.0
6	21.5	19.5	21.0	24.0	23.5	23.5	28.5	27.0	28.0	24.0	23.0	23.5
7	20.0	19.0	19.5	22.0	21.5	22.0	26.5	24.5	25.5	24.0	23.0	23.5
8	19.0	18.5	19.0	23.0	21.5	22.0	24.5	23.5	24.0	24.5	23.0	24.0
9	19.0	18.0	18.5	24.0	22.0	23.0	24.0	22.0	23.0	24.5	23.5	24.0
10	19.5	18.0	18.5	24.5	23.0	23.5	24.5	23.0	23.5	24.0	22.0	23.5
11	20.5	19.0	19.5	24.5	24.0	24.0	25.0	24.0	24.5	23.5	23.0	23.0
12	19.5	19.5	19.5	24.5	23.0	23.5	25.5	24.0	25.0	23.0	22.0	22.5
13	19.0	18.0	18.5	23.5	20.5	22.0	26.5	25.0	25.5	22.0	21.0	22.0
14	20.5	19.0	20.0	21.5	20.5	21.0	26.5	25.5	26.0	21.5	20.0	21.0
15	22.0	20.5	21.0	24.0	22.0	23.0	27.0	26.0	26.5	20.5	19.5	20.5
16	23.0	21.0	22.0	25.0	24.0	24.5	27.0	25.5	26.0	20.5	20.0	20.0
17	24.0	22.0	23.0	26.0	25.0	25.5	25.5	24.5	25.0	20.5	19.5	20.0
18	25.5	23.0	24.5	27.0	26.0	26.5	25.0	24.0	24.5	20.0	19.5	20.0
19	27.0	24.5	25.5	28.5	27.0	27.5	25.0	23.5	24.5	20.5	19.5	20.0
20	26.0	25.5	26.5	28.5	27.0	28.0	25.5	24.0	24.5	22.0	20.5	21.0
21	27.0	25.5	26.5	27.0	25.0	26.0	25.0	24.5	25.0	22.0	21.0	21.0
22	26.5	25.5	26.0	25.5	24.5	25.0	25.5	25.0	25.0	21.5	21.0	21.0
23	27.0	25.0	26.0	27.0	25.0	26.0	25.5	24.0	25.0	21.0	18.5	19.5
24	28.0	25.5	26.5	28.0	26.0	27.0	25.5	25.0	25.5	18.0	16.5	17.0
25	28.5	26.0	27.5	27.0	25.5	26.0	28.0	26.0	26.5	16.5	15.5	16.0
26	28.0	26.0	26.5	26.0	24.5	25.5	28.0	26.5	27.0	16.0	15.5	15.5
27	26.0	25.5	25.5	24.5	23.5	24.0	27.0	26.0	26.5	16.5	16.0	16.5
28	25.0	24.5	25.0	24.5	23.0	23.5	28.5	26.5	27.5	16.5	16.0	16.5
29	24.5	21.0	22.5	24.5	23.0	23.5	28.5	27.0	28.0	16.5	16.0	16.5
30	23.0	21.0	21.5	25.0	23.5	24.5	28.0	26.5	27.0	17.0	16.0	16.5
31	---	---	---	26.0	24.5	25.5	26.0	24.5	25.0	---	---	---
MONTH	28.5	18.0	22.5	28.5	20.5	24.5	30.0	22.0	26.0	24.5	15.5	20.5

01474703 DELAWARE RIVER AT FORT MIFFLIN AT PHILADELPHIA, PA.

LOCATION.--Lat 39°52'45", long 75°12'11", Philadelphia County, water-quality recorder on right bank at outer end of L-shaped pier at Fort Mifflin, 0.4 mi (0.6 km) downstream from mouth of Schuylkill River, in Philadelphia.

DRAINAGE AREA.--10,000 mi^2 (25,900 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1970 to December 1971.
Water temperatures: June 1972 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 31.0°C Aug. 4-6, 13; minimum, 1.5°C Jan. 21, Feb. 14, 15, 1975.

Period of record:
Water temperatures: Maximum, 31.0°C Aug. 4-6, 13, 1975; minimum, 1.5°C Jan. 21, Feb. 14, 15, 1975.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	20.0	---	14.0	13.0	13.5	6.0	5.5	5.5	5.5	5.0	5.0
2	20.0	19.0	19.5	14.0	13.5	13.5	7.0	6.0	---	5.5	4.5	5.0
3	19.5	18.5	19.0	14.0	13.5	13.5	7.0	5.5	6.0	4.5	4.5	4.5
4	18.5	18.0	18.0	14.5	13.5	14.0	6.5	5.0	5.5	5.0	4.5	4.5
5	18.5	18.0	18.0	15.0	14.0	14.0	5.0	4.5	4.5	4.5	4.0	4.0
6	18.0	17.0	18.0	14.5	13.5	14.0	5.0	4.5	4.5	5.5	4.0	5.0
7	18.0	17.0	17.5	14.5	13.5	14.0	5.0	4.5	4.5	6.0	5.0	5.5
8	17.0	16.5	17.0	14.0	13.5	13.5	6.0	4.5	5.0	5.5	5.0	5.0
9	17.0	16.5	16.5	14.5	13.0	13.5	6.0	5.0	5.5	6.0	5.5	6.0
10	17.0	16.5	16.5	13.5	12.0	13.0	6.0	4.0	5.0	6.5	5.5	6.0
11	17.0	16.5	16.5	13.5	12.0	13.0	5.0	4.0	4.5	7.0	6.0	6.5
12	17.0	16.5	16.5	13.5	12.0	13.0	4.5	4.0	4.5	7.0	6.0	6.5
13	17.0	16.5	16.5	13.0	11.5	12.5	4.5	4.0	4.0	8.0	6.0	6.5
14	17.0	16.5	16.5	13.5	11.5	12.0	4.5	4.0	4.0	8.0	5.5	6.5
15	17.0	16.5	17.0	13.0	11.0	12.0	4.5	3.5	4.0	6.0	4.5	5.0
16	18.0	16.5	16.5	14.0	11.0	11.5	5.0	3.5	4.5	5.0	4.0	4.5
17	18.0	16.5	17.0	11.5	10.5	11.0	6.0	4.0	5.0	5.0	3.5	4.0
18	16.5	16.0	16.0	11.0	10.0	10.5	5.0	4.0	4.5	4.0	3.0	3.5
19	16.0	15.0	15.0	11.0	10.0	10.0	4.5	4.0	4.0	4.0	3.0	3.5
20	15.0	14.5	14.5	10.5	10.0	10.5	4.5	4.0	4.0	3.5	2.0	3.0
21	14.5	14.0	14.0	11.0	9.0	10.0	4.5	4.0	4.0	3.0	1.5	2.0
22	14.0	13.5	14.0	10.5	8.5	9.5	4.5	4.0	4.0	3.0	2.0	2.0
23	14.5	13.5	14.0	10.0	9.0	9.0	4.5	4.0	4.0	3.0	2.0	2.0
24	14.0	13.5	14.0	9.5	8.5	9.0	4.5	4.0	4.5	3.0	2.0	2.5
25	14.0	13.5	14.0	9.5	8.0	8.5	4.5	4.0	4.5	3.5	2.0	3.0
26	14.0	14.0	14.0	9.0	7.0	7.5	4.5	3.5	4.0	4.5	3.0	4.0
27	14.0	13.5	13.5	8.0	6.5	6.5	4.5	4.0	4.0	4.5	3.0	4.0
28	14.0	13.5	13.5	7.0	6.0	6.5	4.5	3.5	4.0	4.0	3.0	3.5
29	15.0	12.0	13.5	7.0	6.0	6.0	4.5	4.0	4.0	4.5	3.5	4.0
30	13.0	12.0	12.5	7.0	5.5	6.0	6.0	4.0	5.0	5.0	4.0	4.5
31	13.5	12.0	13.0	---	---	---	5.0	5.0	5.0	5.0	4.5	4.5
MONTH	20.5	12.0	15.5	15.0	5.5	11.0	7.0	3.5	4.5	8.0	1.5	4.5

DELAWARE RIVER BASIN

01474703 DELAWARE RIVER AT FORT MIFFLIN, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.0	4.0	4.5	6.5	4.5	6.0	9.0	7.0	8.0	15.0	14.5	14.5
2	4.5	4.0	4.5	6.5	5.0	6.0	9.5	8.0	8.5	15.5	14.0	15.0
3	4.5	4.0	4.0	6.0	4.5	5.0	9.5	7.0	8.5	17.0	15.0	15.5
4	4.5	3.5	4.0	5.5	4.0	5.0	9.5	7.0	8.5	16.0	15.0	15.5
5	4.0	3.5	4.0	5.0	4.0	4.5	8.0	6.0	7.0	17.0	15.0	15.5
6	4.0	3.5	4.0	5.5	4.5	5.0	6.0	5.5	6.0	15.5	15.0	15.5
7	3.5	3.5	3.5	5.0	4.5	5.0	6.5	5.5	6.0	16.0	14.5	15.0
8	3.5	3.0	3.5	6.0	5.0	5.5	7.0	6.0	6.5	16.5	15.0	15.5
9	4.0	3.0	3.5	6.0	4.5	5.0	8.5	6.0	6.5	16.5	15.5	16.0
10	3.5	3.0	3.0	5.5	4.0	4.5	8.5	6.0	7.0	17.0	15.5	16.0
11	3.5	3.0	3.0	6.0	4.5	5.0	9.0	6.0	7.5	18.0	16.0	17.0
12	3.0	2.0	3.0	6.0	4.5	5.0	9.0	6.5	7.5	18.0	16.0	17.0
13	3.0	2.0	2.5	6.5	5.0	6.0	9.0	6.5	8.0	19.0	16.5	18.0
14	3.0	1.5	2.0	6.5	5.5	6.0	10.0	7.0	9.0	19.5	18.0	18.5
15	2.0	1.5	2.0	7.0	5.0	6.0	10.0	8.5	9.0	19.5	18.5	19.0
16	3.0	2.0	2.5	7.0	5.5	6.5	10.5	8.5	9.5	19.5	18.5	19.0
17	3.5	2.0	2.5	8.0	5.5	6.5	11.5	9.5	10.5	20.0	19.0	19.5
18	4.5	3.0	3.5	8.0	6.0	6.5	11.0	8.5	9.5	20.5	19.5	20.0
19	5.5	3.5	4.5	9.5	6.0	7.0	13.0	10.0	11.0	20.5	18.5	19.5
20	6.0	4.0	5.0	10.0	8.0	9.0	11.5	10.5	11.0	19.5	18.0	18.5
21	6.0	4.0	5.0	9.0	8.5	8.5	12.0	10.5	11.5	19.0	18.5	18.5
22	6.0	4.0	5.0	9.0	8.0	8.5	13.0	11.0	11.5	19.5	18.5	19.0
23	6.5	4.5	5.0	9.0	8.5	8.5	14.0	11.0	12.0	20.5	19.0	19.5
24	7.0	5.5	6.5	9.5	8.5	9.0	14.5	12.0	13.0	21.0	19.5	20.0
25	7.0	6.0	6.5	10.0	8.5	9.0	15.5	13.0	14.0	21.0	19.5	20.0
26	6.5	6.0	6.5	9.5	8.0	9.0	16.0	13.5	14.5	20.5	19.5	20.0
27	6.5	5.5	6.0	9.0	7.0	8.0	15.0	14.0	14.5	22.0	19.5	21.0
28	6.5	5.0	6.0	8.5	7.0	7.5	14.5	14.0	14.5	22.0	21.5	21.5
29	---	---	---	8.5	7.0	7.5	15.0	14.0	14.5	23.0	21.5	22.0
30	---	---	---	8.5	7.0	7.5	16.0	14.0	15.0	23.0	21.5	22.0
31	---	---	---	9.0	7.0	8.0	---	---	---	24.0	22.0	23.0
MONTH	7.0	1.5	4.0	10.0	4.0	6.5	16.0	5.5	10.0	24.0	14.0	18.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.0	23.5	26.0	24.5	25.5	28.5	28.0	28.0	---	---	---
2	24.0	23.5	23.5	25.5	25.0	25.5	29.0	28.0	28.5	24.0	21.0	---
3	23.5	23.5	23.5	26.0	25.0	25.5	29.5	28.5	29.0	21.5	19.0	20.0
4	23.5	23.0	23.5	26.0	25.0	25.5	31.0	28.0	29.5	21.5	19.0	20.0
5	23.5	23.0	23.5	26.5	25.5	26.0	31.0	29.5	30.0	24.0	20.5	22.0
6	23.5	23.0	23.5	26.0	25.5	26.0	31.0	29.0	30.0	22.0	21.0	21.5
7	23.0	21.5	22.5	26.5	26.0	26.0	29.5	28.5	29.0	23.0	21.0	22.0
8	22.0	21.0	21.5	26.5	26.0	26.0	28.5	28.0	28.0	23.5	19.5	22.0
9	22.0	21.0	21.5	26.5	26.0	26.0	28.5	28.0	28.0	19.5	19.0	19.0
10	22.0	21.0	21.5	26.5	26.0	26.0	28.0	28.0	28.0	19.5	17.0	18.0
11	21.5	20.5	21.0	26.5	26.0	26.0	28.5	27.0	28.0	19.0	18.5	19.0
12	21.0	20.5	21.0	26.5	26.0	26.5	30.0	28.0	28.5	20.0	19.0	19.5
13	21.0	19.5	20.5	27.0	24.0	26.0	31.0	28.5	29.5	19.5	18.5	19.5
14	21.0	19.5	20.5	25.5	23.0	24.5	30.5	26.5	29.5	20.0	18.5	19.5
15	22.0	20.5	21.5	26.5	23.0	25.0	30.5	29.0	30.0	20.5	19.0	19.5
16	22.0	21.0	21.5	26.0	24.5	25.5	30.0	28.0	28.5	21.0	20.0	20.5
17	23.5	21.5	22.5	27.0	24.5	25.5	28.5	27.0	28.0	23.0	21.0	22.0
18	24.5	22.0	23.5	26.5	25.5	26.0	29.0	26.0	27.5	22.0	21.0	21.5
19	26.0	24.0	24.5	26.5	26.0	26.0	27.0	25.0	26.0	23.0	21.5	22.0
20	25.5	24.5	25.0	27.0	26.0	26.5	25.0	24.5	25.0	23.5	23.0	23.0
21	25.5	24.5	25.0	28.5	26.5	27.5	25.0	24.5	24.5	23.0	21.5	22.0
22	26.5	25.0	25.5	28.0	26.0	27.0	25.5	24.0	24.5	22.0	21.0	21.5
23	26.0	25.0	25.5	26.5	24.5	25.5	25.0	24.0	24.5	21.5	20.5	21.0
24	26.5	25.0	26.0	28.0	26.5	26.5	24.5	24.0	24.0	21.0	20.5	21.0
25	26.5	25.5	26.0	27.0	26.5	27.0	25.5	24.0	25.0	21.0	20.5	21.0
26	26.5	25.5	26.0	28.5	26.5	27.5	26.0	24.5	25.0	23.0	21.0	22.0
27	26.5	25.5	26.0	28.0	26.5	27.0	25.0	25.0	---	22.0	21.0	22.0
28	26.5	25.5	26.0	28.0	26.0	26.5	---	---	---	23.0	21.0	22.0
29	27.0	25.0	26.0	27.0	26.0	26.5	---	---	---	22.0	22.0	---
30	26.5	25.0	25.5	28.0	26.5	27.0	---	---	---	---	---	---
31	---	---	---	28.5	27.0	28.0	---	---	---	---	---	---
MONTH	27.0	19.5	23.5	28.5	23.0	26.0	31.0	24.0	27.5	24.0	17.0	21.0

01476200 DELAWARE RIVER AT EDDYSTONE, PA.

LOCATION.--Lat 39°50"57", long 75°19'43", Delaware County, at center of river on a line between piers 11 and 12 just above Chester Range front light through channel station +97.2 to the middle of Monds Island on the New Jersey shore.

DRAINAGE AREA.--10,200 mi^2 (26,400 km^2).

PERIOD OF RECORD.--Chemical analyses: August 1949 to September 1968, October 1968 to September 1970 (partial-record station), February 1974 to September 1975.

REMARKS.--Samples collected about 5 to 15 ft (2 to 5 m) from bottom.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.												
17...	0915	4.8	20	250	19	7.6	15	3.0	39	32	53	18
NOV.												
14...	0905	5.0	40	190	22	8.4	21	3.9	37	30	65	26
DEC.												
05...	0925	4.5	370	150	20	7.4	17	3.0	34	28	50	22
JAN.												
09...	1000	6.3	90	160	17	5.8	13	2.0	38	31	38	15
FEB.												
06...	0930	6.2	160	140	18	5.7	14	1.8	39	32	34	19
MAR.												
13...	1020	.6	20	20	14	4.4	9.9	1.8	36	30	34	15
APR.												
03...	0925	5.8	110	130	15	4.8	9.0	1.8	31	25	29	13
MAY												
08...	0910	4.4	90	30	19	6.2	11	2.3	43	35	36	15
JUNE												
05...	1015	2.5	40	70	17	4.6	12	2.2	34	28	32	16
JULY												
10...	0910	1.5	20	30	23	6.7	13	2.7	51	42	34	17
AUG.												
21...	0915	.6	20	20	22	9.0	15	3.0	49	40	50	19
SEP.												
11...	0910	.7	10	30	26	10	23	3.1	53	43	58	27

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT.											
17...	.3	1.1	.07	1.2	.58	164	147	79	47	262	16.0
NOV.											
14...	.3	1.1	.16	1.3	.42	191	177	90	59	330	12.5
DEC.											
05...	.2	1.2	.04	1.2	.69	161	149	80	53	275	6.0
JAN.											
09...	.1	1.3	.07	1.4	.82	121	125	66	35	235	6.0
FEB.											
06...	.1	1.4	.04	1.4	.04	129	125	68	36	223	5.0
MAR.											
13...	.2	1.1	.04	1.1	.06	171	151	53	24	187	6.0
APR.											
03...	.0	.96	.03	.99	.80	108	101	57	32	173	8.0
MAY											
08...	.1	.93	.07	1.0	.06	118	120	73	38	219	15.5
JUNE											
05...	.0	1.2	.11	1.3	.11	126	109	61	34	207	23.0
JULY											
10...	.1	1.3	.27	1.6	.13	189	131	85	43	235	25.5
AUG.											
21...	.2	1.4	.32	1.7	.07	171	151	92	52	276	26.0
SEP.											
11...	.2	2.1	.15	2.2	.03	219	186	110	63	339	22.0

01477050 DELAWARE RIVER AT CHESTER, PA.

LOCATION.--Lat 39°50'12", long 75°22'00", Delaware County, water-quality recorder located at auxiliary tidal-gaging station at end of Reynolds Aluminum Company pier, 0.5 mi (0.8 km) downstream from Chester Creek in Chester.

DRAINAGE AREA.--10,300 mi^2 (26,700 km^2).

PERIOD OF RECORD.--Chemical analyses: December 1961 to September 1975.
Water temperatures: December 1961 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 557 micromhos Nov. 11; minimum, 168 micromhos Mar. 4.
Dissolved oxygen: Maximum, 10.6 mg/l Jan. 16; minimum, 0.0 mg/l Sept. 5.
pH: Maximum, 8.5 May 27; minimum, 6.0 Sept. 27.
Water temperatures: Maximum, 29.5°C Aug. 3; minimum, 3.0°C Jan. 24.

Period of record:
Specific conductance (1963-75): Maximum, 5,900 micromhos Oct. 7, 1965; minimum, 111 micromhos Apr. 26, 27, 1972.
Dissolved oxygen: Maximum, 11.5 mg/l Jan. 28, 29, 1964; minimum, 0.0 mg/l on many days.
pH (1968-75): Maximum, 8.7 Sept. 13, 14, 1971; minimum, 5.5 Dec. 10, 11, 1969.
Water temperatures: Maximum, 30.0°C July 13, 14, 1966, Apr. 3, 4, 1967, Aug. 4, 1968; minimum, freezing point on many days during winter periods.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	320	298	308	356	342	347	471	443	452	---	---	---
2	310	290	304	378	348	359	478	449	---	---	---	---
3	306	280	296	408	380	397	---	---	---	---	---	---
4	300	290	---	404	366	384	---	---	---	---	---	---
5	302	292	---	417	362	384	---	---	---	---	---	---
6	---	---	---	405	369	384	---	---	---	---	---	---
7	310	300	---	405	379	388	---	---	---	---	---	---
8	312	296	304	417	375	390	---	---	---	---	---	---
9	312	298	304	497	381	408	---	---	---	---	---	---
10	302	302	---	529	383	451	448	431	---	---	---	---
11	---	---	---	557	347	465	438	409	425	---	---	---
12	306	298	---	533	341	426	446	421	433	---	---	---
13	314	298	---	457	339	390	481	445	---	289	284	---
14	348	316	334	391	383	---	481	435	457	317	275	288
15	352	316	332	---	---	---	497	409	428	281	256	273
16	322	278	306	---	---	---	429	381	412	272	257	265
17	312	276	---	---	---	---	403	365	382	268	257	262
18	---	---	---	379	351	---	467	395	424	265	253	259
19	---	---	---	381	345	368	451	403	421	249	237	243
20	---	---	---	375	338	356	449	395	413	246	238	242
21	---	---	---	365	331	348	451	391	422	247	233	235
22	---	---	---	351	323	339	445	393	420	263	231	244
23	---	---	---	---	---	---	475	421	442	251	234	---
24	406	380	---	---	---	---	471	435	451	317	263	---
25	408	384	391	---	---	---	465	429	449	303	265	284
26	404	384	390	480	456	---	479	427	457	307	271	288
27	400	382	389	482	442	465	485	437	453	321	275	295
28	400	382	389	476	463	---	487	427	460	313	285	299
29	394	366	386	469	450	462	487	453	472	309	291	301
30	360	332	344	468	437	452	493	465	---	307	287	296
31	358	336	342	---	---	---	---	---	---	295	281	288
MONTH	---	---	---	557	323	---	---	---	---	---	---	---

01477050 DELAWARE RIVER AT CHESTER, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	297	281	290	---	---	---	254	230	239	275	271	273
2	303	295	299	---	---	---	256	200	---	276	271	273
3	305	299	301	---	---	---	---	---	---	276	271	274
4	303	283	296	208	168	---	---	---	---	278	272	275
5	301	293	296	204	172	185	---	---	---	276	271	274
6	339	303	316	198	170	187	---	---	---	286	273	---
7	345	299	319	212	178	194	---	---	---	---	---	---
8	317	293	305	216	184	201	---	---	---	295	282	---
9	317	291	304	224	194	205	---	---	---	284	277	281
10	313	291	302	220	190	206	---	---	---	289	273	277
11	321	283	303	236	200	216	344	330	---	279	268	271
12	311	289	301	244	212	227	340	320	332	272	266	269
13	355	297	313	260	228	240	356	320	328	271	240	251
14	365	305	329	254	228	239	338	320	---	245	230	239
15	353	307	327	268	236	251	---	---	---	240	230	236
16	353	311	328	262	246	253	---	---	---	233	220	226
17	365	315	340	288	250	267	---	---	---	290	225	267
18	377	335	351	296	268	283	---	---	---	269	221	239
19	377	349	361	300	260	280	---	---	---	270	217	234
20	371	349	359	294	250	275	---	---	---	228	217	220
21	375	357	366	280	256	270	---	---	---	226	219	223
22	373	357	365	264	246	255	---	---	---	228	218	221
23	365	353	359	264	256	259	---	---	---	250	219	229
24	368	338	353	---	---	---	---	---	---	301	254	275
25	---	---	---	---	---	---	---	---	---	315	302	307
26	---	---	---	---	---	---	---	---	---	301	251	272
27	---	---	---	236	210	---	---	---	---	283	258	272
28	---	---	---	238	200	216	281	271	---	276	266	---
29	---	---	---	238	206	220	281	272	277	---	---	---
30	---	---	---	246	208	226	278	269	274	---	---	---
31	---	---	---	250	210	232	---	---	---	---	---	---
MONTH	377	281	324	300	168	---	---	---	---	315	217	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	283	267	---	272	263	266	369	354	361
2	235	224	---	284	268	277	281	264	273	369	355	361
3	---	---	---	279	270	274	302	279	288	367	359	363
4	268	248	258	277	265	270	278	268	273	373	361	367
5	275	254	265	274	257	266	---	---	---	375	363	369
6	270	252	261	275	258	265	---	---	---	388	365	376
7	264	257	261	290	276	285	325	314	---	388	366	376
8	270	257	261	322	291	304	325	312	319	396	370	382
9	279	267	271	323	300	317	328	318	323	408	372	388
10	280	263	272	330	314	322	328	318	324	420	375	393
11	266	256	262	323	283	312	330	317	324	429	377	---
12	264	248	257	---	---	---	327	316	323	---	---	---
13	255	232	243	292	284	---	328	322	326	---	---	---
14	248	234	244	---	---	---	335	326	329	---	---	---
15	243	233	238	---	---	---	339	326	331	---	---	---
16	250	233	---	---	---	---	334	328	332	---	---	---
17	243	233	---	---	---	---	335	330	---	---	---	---
18	244	228	---	276	268	---	366	319	343	498	407	---
19	253	226	235	272	269	---	344	329	337	515	396	450
20	258	227	237	---	---	---	344	329	338	509	398	449
21	248	224	238	---	---	---	349	335	341	474	391	430
22	248	235	241	---	---	---	355	341	346	459	387	422
23	253	238	244	251	236	244	351	342	346	449	350	402
24	253	248	---	251	240	246	349	345	---	404	321	355
25	---	---	---	---	---	---	---	---	---	353	282	325
26	251	249	---	---	---	---	353	346	---	302	246	273
27	260	253	---	---	---	---	355	347	352	251	228	241
28	---	---	---	---	---	---	356	350	353	226	204	215
29	---	---	---	272	262	---	363	352	357	214	200	205
30	---	---	---	271	262	266	366	355	360	207	196	202
31	---	---	---	271	259	266	365	355	359	---	---	---
MONTH	280	224	---	---	---	---	366	263	---	515	196	---

01477050 DELAWARE RIVER AT CHESTER, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.7	1.5	2.1	1.6	1.2	1.4				---	---	---
2	2.7	1.5	2.1	1.4	1.0	1.1				---	---	---
3	2.8	1.8	2.2	1.2	.8	1.0				---	---	---
4	3.0	1.9	---	1.1	.9	.9				---	---	---
5	2.9	2.2	---	1.1	.8	.9				---	---	---
6	---	---	---	1.3	.8	.9				---	---	---
7	2.2	1.9	---	1.2	.9	1.0				---	---	---
8	2.6	1.8	2.1	1.7	1.1	1.3				---	---	---
9	2.5	1.7	2.0	2.4	1.4	1.9				---	---	---
10	1.8	1.8	---	2.5	1.7	2.0				---	---	---
11	---	---	---	3.0	1.4	2.2				---	---	---
12	1.8	1.5	---	3.5	2.0	2.9				---	---	---
13	1.9	1.4	---	3.6	3.1	3.4				8.6	7.8	---
14	1.7	1.2	1.4	3.6	3.4	---				10.0	8.4	9.1
15	2.4	1.2	1.6	---	---	---				10.2	9.2	9.7
16	3.3	1.7	2.5	---	---	---				10.6	9.6	10.1
17	3.2	2.0	---	---	---	---				---	---	---
18	---	---	---	3.5	3.4	---				---	---	---
19	---	---	---	3.5	3.1	3.3				---	---	---
20	---	---	---	3.3	2.8	3.1				---	---	---
21	---	---	---	3.3	2.8	3.1				---	---	---
22	---	---	---	3.8	3.1	3.5				---	---	---
23	---	---	---	---	---	---				---	---	---
24	4.0	3.9	---	---	---	---				10.2	9.9	---
25	4.1	3.7	4.0	---	---	---				10.0	8.6	9.4
26	4.0	3.7	3.8	---	---	---				10.2	9.5	9.8
27	4.0	3.4	3.7	---	---	---				10.4	9.9	10.2
28	3.9	3.5	3.7	---	---	---				10.3	9.9	10.1
29	3.6	2.9	3.2	---	---	---				10.1	9.7	9.9
30	3.0	1.7	2.2	---	---	---				10.2	9.7	10.0
31	1.9	1.5	1.7	---	---	---				10.1	9.8	10.0
MONTH	---	---	---	---	---	---				---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	9.6	9.7	---	---	---	8.8	8.2	8.4	5.0	4.3	4.6
2	9.9	9.3	9.6	---	---	---	8.4	8.1	---	4.7	3.9	4.4
3	9.8	9.3	9.5	---	---	---	---	---	---	4.6	4.0	4.2
4	10.0	9.4	9.6	10.1	9.8	---	---	---	---	4.5	4.0	4.2
5	10.2	9.5	9.8	10.1	9.0	9.6	---	---	---	4.6	4.1	4.3
6	10.0	9.3	9.6	9.5	8.9	9.2	---	---	---	4.3	4.1	---
7	9.7	9.2	9.4	9.1	8.6	8.9	---	---	---	---	---	---
8	9.8	9.4	9.6	9.1	8.7	8.9	---	---	---	4.3	3.8	---
9	9.8	9.3	9.5	9.1	8.7	8.9	---	---	---	4.4	3.8	4.0
10	9.7	9.2	9.4	8.8	8.2	8.5	---	---	---	4.3	3.8	4.0
11	9.6	9.0	9.3	8.7	8.2	8.5	8.4	8.3	---	4.4	3.7	4.0
12	9.6	8.9	9.2	8.6	8.3	8.5	8.4	8.1	---	4.3	3.2	3.7
13	10.1	9.1	9.4	8.4	8.1	8.3	---	---	---	4.4	3.2	3.5
14	10.2	9.3	9.7	8.8	8.2	8.5	---	---	---	4.2	3.6	3.8
15	10.0	9.3	9.6	9.1	8.6	8.8	7.8	7.4	7.6	4.2	3.9	4.1
16	9.7	9.2	9.4	8.8	8.3	8.5	7.5	7.2	7.4	4.2	4.1	4.2
17	9.5	9.1	9.2	8.3	7.9	8.1	7.5	7.1	7.3	4.5	4.0	4.2
18	9.3	8.6	8.9	8.1	7.7	7.9	7.3	6.9	7.1	4.4	4.0	4.2
19	8.8	8.2	8.5	8.1	7.6	7.8	7.0	6.7	---	4.1	3.4	3.7
20	8.9	8.2	8.5	8.7	7.7	8.4	---	---	---	3.5	3.2	3.4
21	8.9	8.1	8.4	8.7	8.1	8.3	---	---	---	3.4	3.2	3.3
22	8.7	8.0	8.3	8.3	8.0	8.2	7.1	6.5	6.8	3.3	3.1	3.2
23	8.4	7.5	8.0	8.1	7.8	7.9	6.7	6.1	6.5	3.2	2.8	3.1
24	8.8	7.6	8.1	---	---	---	6.7	6.0	6.3	3.1	2.8	2.9
25	---	---	---	---	---	---	6.5	5.9	6.2	3.1	2.7	2.9
26	---	---	---	---	---	---	6.4	5.9	---	3.1	1.9	2.7
27	---	---	---	8.7	8.5	---	---	---	---	3.0	2.5	2.7
28	---	---	---	8.7	8.3	8.5	5.3	5.3	---	2.9	2.8	2.9
29	---	---	---	8.4	7.9	8.2	5.2	4.8	5.0	2.9	2.8	---
30	---	---	---	8.0	7.5	7.8	5.0	4.7	4.8	---	---	---
31	---	---	---	8.9	7.9	8.2	---	---	---	---	---	---
MONTH	10.2	7.5	9.2	10.1	7.5	---	---	---	---	5.0	1.9	3.7

01477050 DELAWARE RIVER AT CHESTER, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1							---	---	---	4.8	3.1	3.8
2							---	---	---	4.6	3.3	3.9
3							---	---	---	3.8	2.5	3.0
4							---	---	---	2.9	1.7	2.2
5							---	---	---	2.8	0	1.9
6							---	---	---	2.6	1.6	2.1
7							2.7	2.1	---	1.8	.9	1.3
8							4.0	1.9	2.8	1.4	.7	1.0
9							4.1	2.4	3.3	1.1	.7	.9
10							3.6	2.7	3.2	1.0	.5	.8
11							3.5	2.4	2.8	1.4	.5	.8
12							3.3	2.4	2.8	2.3	1.1	1.7
13							3.3	2.4	2.6	1.7	1.1	1.4
14							2.8	1.8	2.2	1.9	.9	1.4
15							2.2	1.2	1.6	---	---	---
16							1.3	.4	1.0	---	---	---
17							2.4	.1	1.1	---	---	---
18							2.7	.7	1.5	3.4	2.3	---
19							3.0	1.1	1.7	2.9	2.0	2.5
20							2.9	1.0	1.8	2.0	1.5	1.7
21							3.8	1.1	2.0	1.6	1.0	1.3
22							3.3	1.4	2.2	1.0	.5	.7
23							3.0	1.3	2.1	2.7	.4	1.1
24							2.3	1.5	---	3.6	1.2	2.5
25							---	---	---	5.1	3.3	4.2
26							2.0	1.2	---	5.2	4.6	4.9
27							2.2	.7	1.5	6.1	5.0	5.7
28							2.9	1.2	1.7	6.7	5.6	6.2
29							2.9	.8	1.5	6.5	5.8	6.1
30							2.7	.7	1.5	5.8	4.6	5.2
31							3.6	1.6	2.6	---	---	---
MONTH							---	---	---	6.7	0	2.6

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.5	6.7	---	---	---	---	---	---	---	---	---
2	6.8	6.5	6.7	---	---	---	7.1	6.5	---	---	---	---
3	6.7	6.5	6.6	---	---	---	6.9	6.6	6.8	---	---	---
4	6.6	6.5	---	---	---	---	6.8	6.7	6.8	---	---	---
5	6.6	6.5	---	---	---	---	6.8	6.7	6.7	---	---	---
6	---	---	---	6.7	6.5	---	7.0	6.7	6.7	---	---	---
7	6.6	6.3	---	6.6	6.6	6.6	6.7	6.7	6.7	---	---	---
8	6.6	6.4	6.5	6.6	6.4	6.5	6.7	6.6	6.7	---	---	---
9	6.6	6.5	6.5	6.6	6.2	6.4	6.7	6.7	---	---	---	---
10	6.5	6.5	---	6.5	6.1	6.3	6.9	6.8	---	---	---	---
11	---	---	---	6.4	6.2	---	7.0	6.9	6.9	---	---	---
12	6.5	6.4	---	---	---	---	7.2	6.9	6.9	---	---	---
13	6.5	6.4	---	---	---	---	6.7	6.5	---	6.8	6.7	---
14	6.5	6.4	6.5	---	---	---	6.5	6.2	6.4	7.1	6.7	---
15	6.9	6.4	6.6	---	---	---	6.6	6.2	6.3	7.0	6.8	6.9
16	6.6	6.5	6.6	---	---	---	6.2	6.1	---	7.1	6.9	7.0
17	6.6	6.5	---	---	---	---	6.6	6.3	---	7.0	6.9	6.9
18	---	---	---	6.2	6.1	---	6.8	6.5	6.7	7.1	6.9	7.0
19	---	---	---	6.2	6.1	6.2	6.8	6.6	6.7	6.9	6.7	6.9
20	---	---	---	6.4	6.1	6.2	6.8	6.6	6.7	6.8	6.7	6.8
21	---	---	---	6.5	6.2	---	6.8	6.7	6.7	6.8	6.7	6.7
22	---	---	---	6.3	6.1	6.2	6.7	6.6	6.7	7.0	6.6	6.7
23	---	---	---	---	---	---	6.7	6.5	6.6	7.3	6.8	7.0
24	---	---	---	---	---	---	6.7	6.5	6.6	7.3	7.1	---
25	---	---	---	---	---	---	6.7	6.5	6.6	---	---	---
26	---	---	---	---	---	---	6.7	6.5	6.6	---	---	---
27	---	---	---	---	---	---	6.6	6.5	6.6	6.7	6.5	---
28	---	---	---	---	---	---	6.6	6.5	6.6	6.6	6.4	6.6
29	---	---	---	---	---	---	6.7	6.6	6.6	7.3	6.4	6.6
30	---	---	---	---	---	---	6.7	6.6	---	6.7	6.6	6.6
31	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6
MONTH	---	---	---	---	---	---	7.2	6.1	---	---	---	---

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.5	6.6							---	---	---
2	6.7	6.6	6.6							---	---	---
3	6.7	6.6	6.6							---	---	---
4	6.6	6.5	6.6							---	---	---
5	6.5	6.2	6.4							---	---	---
6	7.0	6.4	6.7							---	---	---
7	7.0	6.8	7.0							---	---	---
8	7.0	6.9	7.0							7.6	7.4	---
9	7.0	6.8	6.9							7.5	7.4	7.5
10	7.1	6.7	6.8							7.5	7.0	7.4
11	6.8	6.7	6.7							7.5	7.3	7.4
12	6.8	6.7	6.7							7.4	7.3	7.3
13	6.8	6.7	6.7							7.3	6.9	7.1
14	7.5	6.7	6.8							7.0	6.9	7.0
15	7.2	6.6	6.7							7.0	6.9	7.0
16	6.7	6.5	6.6							7.0	6.9	6.9
17	7.0	6.6	6.7							7.0	6.9	---
18	7.1	6.9	---							---	---	---
19	---	---	---							7.9	7.6	---
20	---	---	---							8.0	7.8	7.9
21	---	---	---							8.1	7.8	7.9
22	---	---	---							8.0	7.7	7.9
23	---	---	---							8.0	7.6	7.9
24	---	---	---							8.0	7.5	7.7
25	---	---	---							8.1	7.7	7.9
26	---	---	---							8.4	7.5	8.1
27	---	---	---							8.5	6.5	7.4
28	---	---	---							6.6	6.4	6.5
29	---	---	---							---	---	---
30	---	---	---							---	---	---
31	---	---	---							---	---	---
MONTH	---	---	---							---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.6	7.4	---	7.5	7.3	7.4	6.5	6.3	6.4
2	7.6	7.1	---	7.5	7.4	7.4	7.5	7.2	7.4	6.5	6.2	6.4
3	---	---	---	7.5	7.4	7.4	7.4	7.2	7.3	6.3	6.2	6.3
4	7.3	6.9	7.0	7.5	7.4	7.4	7.4	7.2	---	6.3	6.2	6.2
5	7.1	6.9	7.0	7.5	7.4	7.5	---	---	---	6.3	6.1	6.2
6	7.2	6.9	7.0	7.7	7.6	7.6	---	---	---	6.3	6.2	6.2
7	7.2	6.9	7.0	8.0	7.8	7.9	6.8	6.8	---	6.4	6.1	6.2
8	7.3	7.0	7.1	8.2	7.9	8.0	6.9	6.6	6.8	6.4	6.1	6.2
9	7.3	7.0	7.1	8.1	8.0	8.0	6.9	6.6	6.7	6.4	6.2	6.3
10	7.4	6.6	7.0	8.1	7.9	8.0	6.9	6.5	6.7	6.4	6.2	6.3
11	7.0	6.6	6.8	8.0	7.8	7.9	7.2	6.6	6.8	6.4	6.1	6.2
12	6.9	6.8	6.8	---	---	---	7.1	6.8	6.9	6.5	6.2	6.3
13	7.0	6.9	6.9	---	---	---	7.1	6.7	6.9	6.4	6.1	6.2
14	7.0	6.8	6.9	---	---	---	7.2	6.7	7.0	6.3	6.1	6.2
15	6.9	6.7	6.8	---	---	---	7.2	6.9	7.1	6.3	6.1	6.2
16	6.8	6.7	---	---	---	---	6.9	6.8	6.9	---	---	---
17	7.3	7.3	---	---	---	---	6.8	6.6	6.7	---	---	---
18	7.4	7.2	---	---	---	---	6.8	6.6	6.7	6.8	6.6	---
19	7.4	7.2	7.3	---	---	---	6.9	6.7	6.8	6.8	6.6	6.7
20	7.4	7.2	7.3	---	---	---	7.0	6.7	6.8	6.8	6.6	6.7
21	7.3	7.2	7.2	---	---	---	6.9	6.7	6.8	6.8	6.5	6.6
22	7.3	7.0	7.2	---	---	---	6.9	6.8	6.9	6.6	6.4	6.5
23	7.2	7.1	---	---	---	---	7.1	6.8	7.0	6.5	6.1	6.3
24	7.5	7.4	---	---	---	---	7.1	7.0	---	6.2	6.0	6.1
25	---	---	---	---	---	---	---	---	---	6.4	6.1	6.3
26	7.3	7.2	---	---	---	---	6.6	6.5	---	6.5	6.2	6.4
27	7.2	7.0	---	---	---	---	6.6	6.4	6.5	6.5	6.0	6.3
28	---	---	---	---	---	---	6.5	6.3	6.4	6.4	6.1	6.3
29	---	---	---	7.5	7.4	---	6.5	6.2	6.4	---	---	---
30	---	---	---	7.6	7.4	7.5	6.4	6.3	6.4	7.0	6.9	---
31	---	---	---	7.6	7.3	7.4	6.5	6.3	6.4	---	---	---
MONTH	7.6	6.6	---	---	---	---	7.5	6.2	---	7.0	6.0	6.3

01477050 DELAWARE RIVER AT CHESTER, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	20.0	20.5	15.5	15.0	15.0	8.5	6.5	7.0	---	---	---
2	20.0	19.5	20.0	15.5	15.0	15.5	9.0	6.5	7.5	---	---	---
3	19.5	18.5	19.0	16.0	15.0	15.5	7.0	6.0	6.5	---	---	---
4	19.0	18.0	---	16.0	15.0	15.5	6.5	5.5	6.0	---	---	---
5	18.5	18.0	---	16.5	15.5	16.0	6.5	5.0	5.5	---	---	---
6	---	---	---	16.0	15.5	16.0	6.5	5.0	6.0	---	---	---
7	18.5	18.0	---	16.0	15.0	15.5	7.0	5.5	6.0	---	---	---
8	18.5	18.0	18.0	15.5	14.5	15.0	7.0	5.5	6.0	---	---	---
9	18.5	17.0	18.0	15.0	14.5	15.0	8.0	6.5	7.5	---	---	---
10	18.0	18.0	---	15.0	14.0	14.5	8.0	5.5	6.5	---	---	---
11	---	---	---	14.5	14.0	14.0	6.0	4.5	5.5	---	---	---
12	18.5	18.0	---	14.0	13.5	13.5	6.5	5.5	6.0	---	---	---
13	18.0	18.0	---	14.0	13.0	13.5	7.0	6.0	6.5	7.0	6.5	---
14	18.0	17.0	18.0	13.5	13.0	---	7.0	6.5	6.5	7.0	5.0	6.0
15	18.5	18.0	18.0	---	---	---	6.5	6.0	6.0	6.5	5.0	---
16	18.0	16.5	17.5	---	---	---	8.0	6.0	7.0	6.0	4.5	5.0
17	17.0	16.5	---	---	---	---	7.0	6.0	6.5	5.5	4.5	5.0
18	---	---	---	13.0	12.0	---	6.0	5.5	5.5	5.0	4.0	4.5
19	---	---	---	13.0	12.0	12.5	6.0	5.0	5.5	5.0	4.0	4.5
20	---	---	---	13.0	12.0	12.0	6.5	5.5	6.0	5.0	4.0	4.5
21	---	---	---	13.5	12.0	12.5	6.5	5.5	6.0	5.0	4.0	4.5
22	---	---	---	12.0	11.5	12.0	6.0	5.5	6.0	4.5	4.0	---
23	---	---	---	---	---	---	6.5	5.5	6.0	5.0	4.0	---
24	15.0	14.0	---	---	---	---	6.0	5.5	6.0	5.0	3.0	4.5
25	15.0	14.0	14.5	---	---	---	6.5	5.5	6.0	6.0	4.5	5.0
26	14.5	14.0	14.0	9.0	7.0	---	6.5	5.5	6.0	5.0	4.5	4.5
27	15.0	14.0	14.5	9.0	6.5	8.0	6.0	5.5	5.5	5.0	4.0	4.5
28	14.5	14.0	14.5	8.5	8.0	---	5.5	5.0	5.5	6.0	4.0	5.0
29	15.0	14.5	14.5	8.0	7.0	7.5	6.0	5.0	5.5	6.0	4.5	5.5
30	15.0	14.5	15.0	8.0	6.0	7.0	6.0	5.5	---	6.0	5.0	5.5
31	15.5	14.5	15.0	---	---	---	---	---	---	6.0	5.0	5.5
MONTH	---	---	---	16.5	6.0	---	9.0	4.5	6.0	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	5.0	5.5	---	---	---	10.5	9.0	9.5	14.5	14.0	14.5
2	6.0	5.0	5.5	---	---	---	11.0	9.5	---	14.5	14.0	14.5
3	6.0	5.0	5.5	5.5	4.5	---	---	---	---	15.5	14.0	15.0
4	5.5	5.0	5.0	5.5	4.0	4.5	---	---	---	15.5	14.5	15.0
5	5.5	5.0	5.0	9.0	4.5	6.0	---	---	---	15.0	14.5	14.5
6	6.0	5.0	5.5	7.0	5.0	6.0	---	---	---	15.5	14.5	---
7	5.5	4.5	5.0	8.0	6.0	7.0	---	---	---	---	---	---
8	5.0	4.5	4.5	7.0	5.0	6.5	---	---	---	16.5	15.5	---
9	5.0	4.5	4.5	6.0	4.0	5.0	---	---	---	16.5	15.5	16.0
10	5.0	3.5	4.5	5.5	5.0	5.0	---	---	---	16.5	16.0	16.5
11	5.0	4.0	4.5	5.5	5.0	5.5	7.0	6.5	---	17.0	16.0	16.5
12	5.0	3.5	4.0	6.0	5.0	5.5	6.5	6.0	---	18.0	16.5	17.0
13	5.0	3.5	4.0	7.0	5.5	6.5	---	---	---	18.5	17.0	18.0
14	4.5	3.5	4.0	6.0	5.0	5.5	7.0	6.5	---	19.0	18.0	18.5
15	4.5	3.5	4.0	6.0	5.0	5.5	7.0	6.0	6.5	19.5	18.0	19.0
16	4.5	3.5	4.0	6.5	5.0	6.0	8.0	6.0	7.0	19.5	18.5	19.0
17	4.5	4.0	4.0	7.0	5.5	6.5	8.5	6.5	7.5	20.0	18.5	19.0
18	5.0	4.0	5.0	8.0	6.0	7.5	9.0	7.0	8.5	20.0	19.0	19.5
19	6.0	5.0	5.5	9.0	7.0	8.0	9.0	9.0	---	20.5	19.5	20.0
20	6.0	5.0	5.5	9.5	8.5	9.5	---	---	---	21.5	20.0	20.5
21	7.0	5.5	6.0	11.0	9.0	10.0	12.0	11.0	---	22.0	20.5	21.0
22	7.0	5.5	6.5	11.5	10.0	---	12.0	11.0	11.5	23.0	21.0	22.0
23	8.5	6.5	7.5	11.5	10.5	11.0	13.5	11.5	12.5	23.0	21.0	22.0
24	10.0	8.0	8.5	---	---	---	13.5	12.0	12.5	23.5	22.0	23.0
25	---	---	---	---	---	---	13.5	12.0	12.5	23.0	21.5	22.5
26	---	---	---	---	---	---	---	---	---	22.0	21.5	22.0
27	---	---	---	9.0	9.0	---	---	---	---	23.5	22.0	22.5
28	---	---	---	9.0	8.0	8.5	14.5	14.0	---	23.5	22.0	23.0
29	---	---	---	9.5	8.5	9.0	14.5	14.0	14.0	23.5	23.0	---
30	---	---	---	10.5	9.0	10.0	15.0	14.0	14.5	---	---	---
31	---	---	---	10.5	9.0	10.0	---	---	---	---	---	---
MONTH	10.0	3.5	5.0	11.5	4.0	---	---	---	---	23.5	14.0	19.0

DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	25.5	25.0	---	28.5	26.5	27.5	26.0	25.5	25.5
2	24.5	23.5	---	26.0	24.5	25.5	29.0	27.0	27.5	26.0	25.0	25.5
3	---	---	---	26.0	25.0	25.5	29.5	28.0	28.5	26.0	25.0	25.5
4	24.5	23.5	24.0	26.0	25.0	25.5	29.0	27.0	28.5	26.0	25.0	25.5
5	24.0	23.0	23.5	26.0	25.0	25.5	---	---	---	26.0	25.0	25.5
6	24.0	23.0	23.5	25.5	25.0	25.5	---	---	---	25.5	25.0	25.5
7	23.5	22.0	23.5	25.0	24.5	24.5	---	---	---	25.5	25.0	25.5
8	23.0	22.0	22.5	24.5	23.5	24.0	---	---	---	25.5	25.0	25.5
9	23.0	22.0	22.5	24.5	23.5	24.0	---	---	---	25.5	24.0	25.0
10	23.5	22.0	23.0	24.5	23.5	24.0	---	---	---	24.5	24.0	24.0
11	23.0	21.5	22.5	24.5	24.0	24.0	27.0	27.0	---	24.5	24.0	24.0
12	22.0	21.0	21.5	---	---	---	27.0	26.5	27.0	24.5	23.5	24.0
13	22.0	21.0	21.5	24.5	24.0	---	28.0	27.0	27.0	23.5	23.0	23.5
14	22.0	21.5	21.5	---	---	---	27.0	27.0	27.0	23.5	22.0	22.5
15	23.0	21.5	22.0	---	---	---	28.0	27.0	27.0	23.0	21.5	22.5
16	23.0	21.5	22.0	---	---	---	27.0	26.5	27.0	---	---	---
17	22.0	21.5	---	---	---	---	27.0	26.5	26.5	---	---	---
18	24.0	23.0	---	25.0	24.5	---	27.0	26.0	26.5	23.0	22.0	---
19	24.0	23.5	23.5	24.5	24.0	---	27.0	26.0	26.5	23.0	22.0	22.5
20	24.0	23.5	23.5	---	---	---	27.0	26.0	26.5	23.5	22.0	23.0
21	25.0	23.5	24.0	---	---	---	26.5	26.0	26.0	23.0	23.0	23.0
22	24.5	23.5	24.0	---	---	---	26.5	26.0	26.0	23.0	22.0	22.5
23	24.5	24.0	---	26.5	25.5	26.0	27.0	26.0	26.5	22.0	21.0	21.5
24	25.5	24.5	---	26.5	26.0	---	27.0	26.0	---	21.5	20.5	21.0
25	---	---	---	---	---	---	---	---	---	20.5	20.0	20.5
26	25.0	25.0	---	---	---	---	29.0	28.5	---	20.5	20.0	20.0
27	25.0	24.5	---	---	---	---	29.0	28.0	28.5	20.0	19.5	20.0
28	---	---	---	---	---	---	28.5	28.0	28.0	19.5	19.0	19.0
29	---	---	---	26.5	26.0	---	29.0	28.0	28.5	19.5	18.5	19.0
30	---	---	---	27.0	26.0	26.5	28.5	28.0	28.0	19.5	19.0	19.0
31	---	---	---	28.0	26.0	26.5	27.0	26.0	26.5	---	---	---
MONTH	25.5	21.0	---	---	---	---	---	---	---	26.0	18.5	23.0

01477200 DELAWARE RIVER AT MARCUS HOOK, PA.

LOCATION.--Lat 39°48'01", long 75°25'10", Delaware County, at center of river on a line from the water end of the Maritime Exchange reporting station pier through channel station +128.7 to vertical lift bridge over Oldmans Creek.

DRAINAGE AREA.--10,400 mi^2 (26,900 km^2).

PERIOD OF RECORD.--Chemical analyses: August 1949 to May 1969, October 1969 to September 1970 (partial-record station), October 1970 to September 1972, December 1973 to September 1975.

REMARKS.--Samples collected about 5 to 15 ft (2 to 5 m) from bottom. Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1809-O.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT.												
17...	0830	4.1	20	160	19	7.8	17	3.3	40	33	50	21
NOV.												
14...	0820	5.0	50	220	22	9.0	27	4.4	31	25	65	36
DEC.												
05...	0835	4.5	200	190	22	8.7	26	2.4	35	29	57	36
JAN.												
09...	0902	6.3	80	190	16	5.6	13	2.0	35	29	37	16
FEB.												
06...	0837	6.5	130	140	19	6.1	16	1.9	40	33	36	22
MAR.												
13...	0945	5.4	100	160	14	4.4	12	1.8	33	27	33	15
APR.												
03...	0835	5.9	80	130	14	4.5	10	1.7	30	25	29	13
MAY												
08...	0840	5.0	80	110	21	7.0	13	2.7	45	37	39	19
JUNE												
05...	0945	2.1	50	80	21	4.6	10	2.2	30	25	32	18
JULY												
10...	0820	.6	50	30	19	5.8	13	2.7	45	37	36	17
AUG.												
21...	0830	.4	10	10	22	9.0	17	3.1	48	39	47	18
SEP.												
11...	0830	.3	10	30	32	16	67	5.6	53	43	67	110

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)
OCT.											
17...	.4	1.5	.12	1.6	.61	171	151	80	47	272	16.0
NOV.											
14...	.3	1.6	.50	2.1	.55	215	195	92	67	362	12.0
DEC.											
05...	.3	1.8	.04	1.8	.75	191	185	91	62	343	7.0
JAN.											
09...	.1	1.3	.06	1.4	.75	140	122	63	34	230	6.0
FEB.											
06...	.2	1.4	.04	1.4	.61	140	136	73	40	234	4.0
MAR.											
13...	.2	.94	.04	.98	.09	123	107	53	26	188	8.0
APR.											
03...	.1	1.1	.03	1.1	1.4	109	102	54	29	174	8.0
MAY											
08...	.1	1.1	.06	1.2	.09	134	135	81	44	243	15.5
JUNE											
05...	.0	1.1	.14	1.2	.06	129	110	71	47	197	22.5
JULY											
10...	.2	1.5	.26	1.8	.11	144	125	71	34	217	26.0
AUG.											
21...	.2	1.6	.27	1.9	.07	183	149	92	53	281	26.5
SEP.											
11...	.2	2.3	.07	2.4	.78	376	337	150	100	632	22.5

DELAWARE RIVER BASIN

01480617 WEST BRANCH BRANDYWINE CREEK AT MODENA, PA.

LOCATION.--Lat 39°57'42", long 75°48'06", Chester County, on left bank at bridge on Legislative Route 15068 at Modena and 300 ft (91 km) upstream from Dennis Run.

DRAINAGE AREA.--55.0 mi^2 (142 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1970 (partial-record station), October 1970 to September 1975.
Water temperatures: May 1971 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 520 micromhos Sept. 16; minimum, 120 micromhos June 13.
Dissolved oxygen: Maximum, 13.0 mg/l Oct. 11; minimum, 0.6 mg/l Nov. 1, 3.
pH: Maximum, 9.7 Feb. 22; minimum, 6.3 April 3.
Water temperatures: Maximum, 29.5°C Aug. 5; minimum, 3.5°C Jan. 21.

Period of record:
Specific conductance: Maximum, 549 micromhos Apr. 11, 1972; minimum, 97 micromhos Nov. 25, 1971.
Dissolved oxygen: Maximum, 14.3 mg/l Feb. 18, 1973; minimum, 0.6 mg/l Nov. 1, 3, 1974.
pH: Maximum, 10.0 Dec. 21, 1971; minimum, 6.3 April 3, 1975.
Water temperatures: Maximum, 31.5°C Aug. 30 to Sept. 1; 1973; minimum, 1.0°C Jan. 16, 1972.

REMARKS.--No continuous records for pH available May through September 1975.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	315	273	299	330	293	316	419	233	328	---	---	---
2	341	298	314	319	263	298	283	200	220	---	---	---
3	370	319	339	301	262	278	283	237	259	---	---	---
4	393	343	362	288	247	269	316	260	282	---	---	---
5	375	327	353	330	270	293	376	291	331	---	---	---
6	380	312	356	302	263	---	374	309	344	---	---	---
7	390	350	371	---	---	---	359	304	326	---	---	---
8	430	360	382	---	---	---	299	171	210	---	---	---
9	390	355	375	---	---	---	261	210	237	---	---	---
10	389	335	363	---	---	---	286	242	263	---	---	---
11	390	340	366	---	---	---	313	214	290	---	---	---
12	393	350	372	---	---	---	314	284	301	---	---	---
13	383	355	373	---	---	---	337	300	316	---	---	---
14	462	366	389	---	---	---	343	304	320	---	---	---
15	435	377	393	---	---	---	327	283	302	263	248	---
16	460	230	294	---	---	---	344	154	237	299	249	267
17	365	232	283	---	---	---	254	165	211	309	272	288
18	315	285	295	---	---	---	275	245	---	330	288	---
19	300	278	286	---	---	---	---	---	---	---	---	---
20	304	269	278	---	---	---	---	---	---	---	---	---
21	285	265	---	---	---	---	---	---	---	---	---	---
22	430	330	---	343	290	---	---	---	---	---	---	---
23	430	385	408	356	280	316	---	---	---	---	---	---
24	445	365	393	343	295	318	---	---	---	324	290	---
25	463	384	421	379	323	340	---	---	---	419	212	285
26	458	353	397	355	305	322	---	---	---	233	212	219
27	403	355	374	365	299	332	---	---	---	230	210	220
28	393	338	360	333	300	320	---	---	---	249	213	223
29	422	339	369	358	319	336	---	---	---	234	223	---
30	398	330	371	358	300	327	---	---	---	289	270	---
31	349	301	323	---	---	---	---	---	---	460	272	309
MONTH	463	230	354	---	---	---	---	---	---	---	---	---

01480617 WEST BRANCH BRANDYWINE CREEK AT MODENA, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	469	259	303	296	250	268	289	262	268	279	230	257
2	373	315	336	317	283	291	290	263	267	269	248	260
3	372	352	---	329	293	302	276	212	245	298	262	276
4	---	---	---	355	304	316	301	233	266	279	198	235
5	---	---	---	336	300	310	301	262	276	269	232	251
6	363	306	---	320	292	301	298	262	277	299	262	274
7	298	261	---	323	287	304	299	264	276	289	249	260
8	---	---	---	322	275	295	300	271	284	298	265	277
9	---	---	---	350	300	320	300	270	279	299	269	---
10	---	---	---	419	301	324	285	235	259	---	---	---
11	343	325	---	327	300	312	279	230	247	---	---	---
12	427	328	363	331	263	303	311	250	268	---	---	---
13	479	332	387	270	233	253	277	231	253	293	273	---
14	400	340	372	488	269	394	311	259	283	332	290	309
15	418	340	361	370	272	316	291	243	265	333	264	---
16	420	330	366	292	234	263	309	247	275	---	---	---
17	379	312	334	292	268	276	342	280	302	---	---	---
18	313	243	267	330	273	298	319	283	296	---	---	---
19	273	232	242	492	130	255	293	269	277	---	---	---
20	279	233	254	233	132	168	318	261	278	260	248	---
21	306	275	281	262	233	248	313	287	299	298	209	250
22	312	273	290	283	262	271	357	288	313	211	150	168
23	303	195	254	273	253	264	343	293	310	160	149	152
24	235	175	215	299	222	261	303	219	272	185	160	171
25	233	184	207	271	214	240	216	124	185	195	180	190
26	249	222	235	298	262	273	226	127	176	220	192	200
27	268	240	246	288	275	280	269	230	244	249	199	216
28	272	245	260	301	277	288	289	256	271	280	235	250
29	---	---	---	297	270	281	308	263	281	310	275	288
30	---	---	---	282	214	244	302	269	286	329	245	297
31	---	---	---	290	253	265	---	---	---	280	220	251
MONTH	479	175	---	492	130	283	357	124	269	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	230	150	187							---	---	---
2	240	215	226							---	---	---
3	235	210	223							---	---	---
4	240	220	---							---	---	---
5	---	---	---							---	---	---
6	---	---	---							---	---	---
7	---	---	---							---	---	---
8	---	---	---							---	---	---
9	265	250	---							---	---	---
10	265	250	257							---	---	---
11	270	250	252							360	350	---
12	255	140	182							375	180	342
13	195	120	159							350	280	309
14	230	195	213							335	320	326
15	245	225	229							420	345	386
16	279	210	239							520	360	390
17	258	220	231							410	330	366
18	278	239	258							390	250	360
19	267	240	256							365	220	316
20	---	---	---							365	120	295
21	---	---	---							250	175	228
22	---	---	---							325	210	299
23	---	---	---							260	180	231
24	---	---	---							350	190	265
25	---	---	---							200	199	---
26	---	---	---							---	---	---
27	---	---	---							---	---	---
28	---	---	---							---	---	---
29	---	---	---							---	---	---
30	---	---	---							---	---	---
31	---	---	---							---	---	---
MONTH	---	---	---							---	---	---

DELAWARE RIVER BASIN

01480617 WEST BRANCH BRANDYWINE CREEK AT MODENA, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.1	7.9	8.6	6.2	.6	2.3						
2	10.2	7.8	8.8	5.2	.8	2.[illegible]						
3	11.0	8.4	9.2	4.4	.6	2.1						
4	10.7	7.9	9.1	5.3	.7	---						
5	10.7	7.4	9.0	---	---	---						
6	11.0	7.4	9.1	---	---	---						
7	11.0	6.8	8.5	---	---	---						
8	11.2	7.1	8.6	---	---	---						
9	11.1	7.0	8.5	---	---	---						
10	12.4	6.8	8.7	---	---	---						
11	13.0	7.0	8.7	---	---	---						
12	12.6	6.3	8.6	---	---	---						
13	12.1	6.5	7.9	---	---	---						
14	9.3	6.4	7.3	---	---	---						
15	10.0	6.1	7.5	---	---	---						
16	9.8	6.2	8.5	---	---	---						
17	10.1	8.0	9.3	---	---	---						
18	10.4	8.0	9.1	---	---	---						
19	10.5	8.7	9.4	---	---	---						
20	11.4	9.0	10.0	---	---	---						
21	10.8	8.6	9.7	---	---	---						
22	7.4	4.8	---	---	---	---						
23	7.4	4.3	5.5	---	---	---						
24	7.4	4.0	5.3	---	---	---						
25	7.9	3.4	5.0	---	---	---						
26	7.6	3.9	5.1	---	---	---						
27	8.4	4.4	5.6	---	---	---						
28	8.4	4.2	5.6	---	---	---						
29	8.1	2.9	5.0	---	---	---						
30	6.2	1.0	3.4	---	---	---						
31	4.8	.9	2.4	---	---	---						
MONTH	13.0	.9	7.6	---	---	---						

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---						
2				---	---	---						
3				---	---	---						
4				---	---	---						
5				12.7	11.5	---						
6				12.8	11.3	12.1						
7				11.9	10.8	11.4						
8				11.4	10.3	10.9						
9				12.9	10.6	11.9						
10				12.0	11.2	---						
11				---	---	---						
12				---	---	---						
13				---	---	---						
14				---	---	---						
15				---	---	---						
16				---	---	---						
17				---	---	---						
18				---	---	---						
19				---	---	---						
20				---	---	---						
21				---	---	---						
22				---	---	---						
23				---	---	---						
24				---	---	---						
25				---	---	---						
26				---	---	---						
27				---	---	---						
28				---	---	---						
29				---	---	---						
30				---	---	---						
31				---	---	---						
MONTH				---	---	---						

01480617 WEST BRANCH BRANDYWINE CREEK AT MODENA, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.8	6.5	7.7	---	---	---	---	---	---
2	---	---	---	8.7	6.2	7.5	---	---	---	---	---	---
3	---	---	---	8.1	5.8	6.8	---	---	---	---	---	---
4	7.4	7.2	---	---	---	---	---	---	---	---	---	---
5	7.8	7.4	7.6	---	---	---	---	---	---	---	---	---
6	7.6	7.2	7.4	---	---	---	5.9	4.5	---	---	---	---
7	7.8	7.5	7.6	---	---	---	7.5	5.5	6.3	---	---	---
8	8.0	7.7	7.9	---	---	---	7.9	5.0	6.4	---	---	---
9	8.3	8.0	---	---	---	---	7.9	4.6	6.0	---	---	---
10	---	---	---	7.8	4.1	---	7.5	4.1	5.7	---	---	---
11	---	---	---	7.1	4.3	5.6	6.9	3.1	4.9	8.9	5.7	---
12	---	---	---	6.6	4.0	5.4	7.9	3.4	5.5	8.8	5.4	6.7
13	---	---	---	6.2	4.4	---	7.8	4.4	5.8	9.0	6.5	7.8
14	---	---	---	---	---	---	7.5	3.9	5.6	9.3	6.6	7.7
15	---	---	---	---	---	---	7.7	4.2	5.6	8.9	6.5	7.5
16	---	---	---	---	---	---	7.4	4.6	6.2	8.3	5.4	6.8
17	---	---	---	---	---	---	8.3	6.9	7.6	9.6	5.1	7.0
18	---	---	---	---	---	---	8.4	4.5	6.2	9.2	5.7	7.0
19	---	---	---	---	---	---	8.3	5.0	6.5	7.5	5.5	6.4
20	---	---	---	---	---	---	5.5	4.9	---	7.8	4.9	6.2
21	---	---	---	---	---	---	4.0	3.0	---	---	---	---
22	---	---	---	---	---	---	8.0	4.0	6.1	---	---	---
23	---	---	---	---	---	---	9.5	5.4	7.4	---	---	---
24	---	---	---	---	---	---	9.9	6.7	7.8	---	---	---
25	---	---	---	---	---	---	8.1	4.8	6.7	---	---	---
26	---	---	---	---	---	---	7.0	5.6	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	8.6	6.8	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.7	7.5	7.8	8.8	7.4	7.8	7.4	7.2	7.2	7.5	7.4	7.5
2	8.4	7.5	7.8	8.4	7.3	7.7	7.9	7.1	---	7.5	7.4	7.5
3	8.9	7.7	8.1	8.1	7.2	7.5	---	---	---	7.5	7.4	7.4
4	8.8	7.8	8.2	8.2	7.2	7.5	---	---	---	7.5	7.3	7.4
5	8.8	7.7	8.1	7.3	7.2	7.3	---	---	---	7.6	7.3	7.4
6	9.1	7.7	8.2	7.2	7.1	---	---	---	---	7.7	7.4	7.5
7	8.8	7.6	8.1	---	---	---	---	---	---	7.9	7.4	7.5
8	8.8	7.6	8.0	---	---	---	---	---	---	7.9	7.3	7.5
9	8.8	7.5	8.0	---	---	---	---	---	---	8.1	7.2	7.4
10	9.5	7.5	8.3	---	---	---	---	---	---	7.4	7.3	7.3
11	9.5	7.9	8.5	---	---	---	---	---	---	7.5	7.3	7.4
12	9.4	7.8	8.4	---	---	---	---	---	---	7.5	7.3	7.4
13	9.1	7.7	8.2	7.7	7.6	---	---	---	---	7.9	7.3	7.5
14	8.3	7.7	7.9	8.0	7.5	7.7	---	---	---	7.6	7.4	7.5
15	8.4	7.6	8.0	7.9	7.5	7.7	---	---	---	7.6	7.4	7.5
16	8.1	7.6	7.7	---	---	---	---	---	---	7.6	7.4	7.4
17	8.0	7.5	7.8	---	---	---	---	---	---	7.7	7.4	7.5
18	8.2	7.5	7.8	7.8	7.5	---	---	---	---	8.5	7.3	7.5
19	8.4	7.6	7.9	7.8	7.4	7.6	---	---	---	7.6	7.2	7.4
20	8.3	7.6	7.9	7.5	7.4	7.4	---	---	---	7.3	7.2	7.3
21	8.2	7.6	7.8	7.8	7.5	7.6	---	---	---	7.4	7.3	7.3
22	8.3	7.6	7.8	7.7	7.3	7.6	---	---	---	7.6	7.3	---
23	8.3	7.6	7.9	7.8	7.3	7.5	---	---	---	---	---	---
24	8.5	7.6	7.9	7.8	7.3	7.5	---	---	---	---	---	---
25	8.3	7.4	7.8	7.5	7.3	7.4	---	---	---	---	---	---
26	8.7	7.5	7.9	7.8	7.4	7.5	---	---	---	---	---	---
27	8.5	7.6	7.9	7.6	7.3	7.4	7.5	7.4	---	---	---	---
28	8.4	7.5	7.8	7.5	7.3	7.4	7.5	7.4	7.5	---	---	---
29	8.4	7.3	7.7	7.5	7.2	7.3	7.5	7.3	7.4	---	---	---
30	8.5	7.3	7.6	7.6	7.2	7.3	8.2	7.4	7.5	8.1	7.8	---
31	8.6	7.2	7.8	---	---	---	7.6	7.3	7.4	8.2	7.9	8.0
MONTH	9.5	7.2	8.0	---	---	---	---	---	---	---	---	---

DELAWARE RIVER BASIN

01480617 WEST BRANCH BRANDYWINE CREEK AT MODENA, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	FEBRUARY MAX	FEBRUARY MIN	FEBRUARY MEAN	MARCH MAX	MARCH MIN	MARCH MEAN	APRIL MAX	APRIL MIN	APRIL MEAN	MAY MAX	MAY MIN	MAY MEAN
1	8.2	7.9	8.0	7.9	7.5	7.7	7.3	6.8	7.1			
2	8.3	7.9	8.1	7.9	7.6	7.7	7.3	6.7	7.1			
3	8.2	7.9	8.0	8.2	7.6	7.8	7.3	6.3	7.0			
4	8.2	7.9	8.0	8.0	7.6	7.8	7.4	7.1	7.2			
5	8.4	7.9	8.1	7.9	7.5	7.7	7.3	7.1	7.2			
6	8.8	7.7	8.0	8.0	7.5	7.7	7.2	6.9	7.1			
7	7.6	7.6	---	7.9	7.4	7.6	7.9	7.0	7.2			
8	---	---	---	8.2	7.5	7.8	7.9	6.7	7.4			
9	---	---	---	8.1	7.5	7.7	7.9	6.7	7.3			
10	---	---	---	7.9	7.5	7.6	7.8	6.9	7.3			
11	8.0	7.7	---	8.2	7.4	7.7	8.1	6.8	7.4			
12	8.1	7.6	7.8	7.6	7.3	---	8.1	6.9	7.5			
13	8.4	7.7	7.9	---	---	---	8.1	7.2	7.5			
14	8.2	7.6	7.8	---	---	---	8.2	7.2	7.5			
15	8.6	7.6	7.8	---	---	---	7.7	7.1	7.3			
16	8.8	7.6	7.9	---	---	---	8.2	7.2	7.6			
17	8.5	7.5	7.7	---	---	---	7.6	7.2	---			
18	7.9	7.4	7.6	---	---	---	---	---	---			
19	8.1	7.4	7.6	---	---	---	---	---	---			
20	8.1	7.4	7.6	---	---	---	---	---	---			
21	8.1	7.4	7.6	7.1	6.6	---	---	---	---			
22	9.7	7.4	7.9	7.0	6.3	6.7	---	---	---			
23	8.9	7.4	7.7	7.3	6.3	7.0	---	---	---			
24	8.5	7.4	7.7	7.2	6.7	---	---	---	---			
25	7.5	7.3	7.4	7.2	6.9	---	---	---	---			
26	7.6	7.4	7.4	7.4	7.1	7.2	---	---	---			
27	7.6	7.4	7.5	7.5	7.3	7.4	---	---	---			
28	7.9	7.4	7.6	7.4	7.1	7.3	---	---	---			
29	---	---	---	7.3	6.6	7.0	---	---	---			
30	---	---	---	7.2	6.9	7.1	---	---	---			
31	---	---	---	7.3	7.1	7.2	---	---	---			
MONTH	9.7	7.3	7.8	---	---	---	---	---	---			

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER MAX	OCTOBER MIN	OCTOBER MEAN	NOVEMBER MAX	NOVEMBER MIN	NOVEMBER MEAN	DECEMBER MAX	DECEMBER MIN	DECEMBER MEAN	JANUARY MAX	JANUARY MIN	JANUARY MEAN
1	20.5	17.0	19.0	21.5	18.5	19.5	10.0	9.0	9.5	9.5	7.0	8.5
2	19.5	15.0	17.0	21.5	19.0	20.0	9.5	7.0	8.0	8.5	6.0	7.0
3	17.0	13.5	15.5	20.5	18.5	19.0	10.5	8.5	9.5	8.5	6.5	7.5
4	18.5	14.0	16.0	22.0	19.0	20.0	10.0	8.0	9.0	10.0	8.0	9.0
5	20.0	14.5	17.0	20.5	19.5	20.0	11.0	8.5	9.5	9.0	6.5	8.0
6	21.0	15.0	18.0	20.0	18.0	---	11.0	8.5	10.0	9.5	7.0	8.0
7	21.5	15.0	18.0	---	---	---	12.0	9.0	10.5	9.0	6.5	7.5
8	20.5	16.5	18.5	---	---	---	12.0	10.5	11.0	9.5	6.5	8.0
9	21.0	17.0	19.0	---	---	---	11.0	8.5	10.0	10.0	8.0	9.0
10	21.5	16.5	19.0	---	---	---	9.0	7.0	8.0	10.5	8.5	9.5
11	23.0	17.0	19.5	---	---	---	10.0	8.0	8.5	13.5	10.5	12.5
12	21.5	19.5	20.5	---	---	---	11.0	8.5	9.5	13.0	11.0	11.5
13	20.5	18.5	19.5	14.0	11.5	---	11.0	10.0	10.5	11.0	8.0	9.5
14	21.5	19.0	20.5	14.5	11.5	13.0	11.5	10.0	11.0	8.0	5.0	[illegible]
15	23.0	20.0	21.0	13.5	11.0	12.5	9.5	8.5	9.0	6.5	4.5	
16	21.0	14.0	16.5	---	---	---	10.0	8.0	9.0	7.0	5.5	
17	18.5	14.5	16.0	---	---	---	9.5	8.0	9.0	7.0	5.0	6.
18	17.0	14.5	16.0	12.0	10.0	---	9.0	8.5	8.5	6.5	4.0	5.5
19	16.5	13.0	14.5	13.5	10.0	12.0	9.0	8.0	8.5	6.5	4.0	5.5
20	14.0	11.5	12.5	13.5	13.0	13.5	9.5	8.5	9.0	5.5	4.0	4.0
21	14.5	11.0	12.5	13.0	10.0	11.0	10.5	9.0	9.5	5.5	3.5	4.5
22	16.0	11.0	13.5	13.0	10.0	11.5	10.5	9.0	9.5	7.0	5.0	6.0
23	16.0	13.5	14.5	14.0	10.5	12.0	10.5	8.5	9.5	8.5	6.0	7.0
24	18.0	13.5	15.5	13.5	10.5	11.5	11.5	10.0	10.5	8.5	5.5	7.0
25	18.0	14.5	16.0	13.0	10.5	12.0	10.5	8.5	9.5	7.0	5.0	6.5
26	17.0	14.5	16.0	11.0	8.5	9.5	9.5	8.0	8.5	6.5	4.5	5.5
27	16.5	13.5	15.0	12.0	8.5	10.0	9.0	8.5	8.5	8.0	6.0	6.5
28	16.5	14.0	15.0	11.0	9.5	10.0	10.0	8.5	9.0	8.0	6.0	7.5
29	19.0	15.0	16.5	11.0	10.0	10.5	11.0	9.5	10.5	9.5	8.0	8.5
30	19.5	16.5	18.0	11.0	9.0	10.0	10.0	7.0	8.5	9.5	7.0	8.5
31	21.5	18.0	19.5	---	---	---	9.5	8.0	9.0	8.5	7.0	8.0
MONTH	23.0	11.0	17.0	---	---	---	12.0	7.0	9.5	13.5	3.5	7.5

01480617 WEST BRANCH BRANDYWINE CREEK AT MODENA, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	6.0	7.0	11.0	8.5	9.5	14.5	10.0	12.5	15.5	13.5	14.5
2	8.0	5.5	6.5	9.0	7.0	8.5	14.5	10.0	12.5	17.0	14.0	15.5
3	7.0	5.0	6.0	8.5	6.5	7.5	14.5	11.0	13.5	19.0	14.5	17.0
4	7.0	5.0	6.0	9.5	5.0	7.0	10.5	8.5	9.5	18.0	15.0	15.5
5	6.5	5.0	6.0	10.0	6.0	8.0	11.0	7.0	9.0	15.0	13.5	14.5
6	9.0	6.5	7.5	11.0	7.0	9.0	11.5	8.5	10.0	15.5	13.0	14.5
7	8.0	6.0	---	10.5	9.0	10.0	12.0	10.0	10.5	18.5	14.0	16.0
8	---	---	---	11.5	8.5	10.0	13.5	9.0	11.0	20.0	14.5	17.5
9	---	---	---	10.0	5.5	8.0	14.0	10.0	12.0	18.0	16.5	---
10	---	---	---	8.5	7.0	7.5	12.0	10.5	11.5	---	---	---
11	8.0	7.0	---	10.0	7.0	9.0	14.0	10.0	11.5	---	---	---
12	7.0	5.0	6.0	9.5	9.0	9.5	14.5	10.5	12.0	---	---	---
13	8.5	5.5	6.5	11.5	9.0	10.0	13.5	9.5	11.5	---	---	---
14	9.0	5.0	6.5	10.5	7.0	8.5	13.5	10.0	11.5	---	---	---
15	9.5	5.5	7.0	11.0	7.0	8.5	12.0	10.5	11.0	21.5	20.0	---
16	9.0	6.5	8.0	10.0	6.5	8.5	15.5	10.5	13.0	20.0	17.0	19.0
17	9.0	8.0	8.5	12.0	8.5	10.5	19.0	13.5	16.0	20.5	17.0	19.0
18	8.0	6.0	7.0	13.5	9.0	11.0	18.0	15.5	16.5	18.5	17.0	18.0
19	8.5	6.5	7.5	13.0	11.5	12.0	17.0	15.5	16.0	21.5	17.0	19.0
20	9.0	5.5	7.5	13.0	11.5	12.5	15.5	14.5	15.0	24.0	18.5	21.0
21	10.0	6.5	8.5	13.0	10.0	11.0	16.5	13.5	14.5	24.0	20.0	22.0
22	11.5	7.0	9.5	11.0	9.0	10.0	16.5	11.5	14.0	25.0	20.5	22.5
23	10.0	9.0	9.5	11.5	9.0	10.5	15.5	13.0	14.5	25.5	21.0	23.0
24	10.5	9.0	10.0	10.5	9.5	10.0	15.0	14.0	14.5	25.5	21.0	23.0
25	11.0	9.5	10.5	13.0	10.0	11.0	16.0	13.0	14.5	23.5	18.5	20.5
26	10.5	8.5	9.5	11.0	9.5	10.5	16.0	12.0	14.0	20.5	18.0	19.0
27	10.5	8.0	9.5	10.5	8.0	9.5	15.0	13.0	14.0	24.0	19.0	21.0
28	10.5	8.0	9.0	10.5	8.0	9.5	14.5	12.0	13.0	23.5	19.5	21.0
29	---	---	---	11.5	9.5	10.5	13.0	12.0	12.5	24.0	19.0	21.0
30	---	---	---	11.5	10.5	11.0	18.0	12.0	15.0	23.0	20.0	21.0
31	---	---	---	12.0	8.5	10.5	---	---	---	24.0	21.0	22.5
MONTH	11.5	5.0	8.0	13.5	5.0	9.5	19.0	7.0	13.0	25.5	13.0	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	21.5	22.5	24.0	18.5	21.0	26.5	23.0	25.0	19.5	18.5	19.0
2	23.0	20.5	21.5	24.5	19.0	21.5	28.5	24.0	26.0	23.0	19.0	20.5
3	23.0	19.0	20.5	25.0	20.5	22.0	28.5	24.0	26.0	21.5	18.5	20.0
4	23.0	18.5	20.5	---	---	---	29.0	25.0	26.5	20.5	18.5	19.5
5	20.0	18.5	19.0	---	---	---	29.5	25.0	27.0	22.0	18.0	20.0
6	22.0	19.0	20.0	---	---	---	26.5	23.5	25.0	21.5	19.5	20.5
7	21.0	18.0	19.5	---	---	---	24.5	22.0	23.5	20.5	19.5	20.0
8	20.0	16.5	18.0	---	---	---	26.0	21.5	23.5	23.5	20.0	21.5
9	20.0	15.5	18.0	---	---	---	27.0	22.0	24.5	25.0	20.5	22.0
10	20.5	16.0	18.5	26.0	23.0	---	25.0	22.0	23.5	24.0	19.0	21.5
11	20.5	17.0	19.0	25.5	21.5	23.5	27.0	23.5	24.5	23.5	19.5	21.0
12	21.0	17.0	19.5	24.5	23.0	24.0	27.0	24.0	25.5	24.5	20.5	22.5
13	24.0	20.5	22.5	23.5	21.0	---	28.0	23.5	25.5	22.0	19.0	20.5
14	26.0	22.0	24.0	---	---	---	27.0	24.0	25.0	21.5	17.0	19.5
15	26.0	22.0	24.5	---	---	---	26.5	24.0	25.0	21.0	18.0	19.0
16	24.0	21.0	23.0	---	---	---	25.0	23.0	24.0	21.0	18.5	19.5
17	27.0	22.0	24.5	23.5	21.0	---	23.5	22.0	22.5	22.0	19.0	20.5
18	26.5	21.5	25.0	24.5	20.0	22.0	26.0	21.5	23.5	21.5	20.0	21.0
19	27.0	22.0	25.0	23.5	20.5	22.0	27.0	22.0	24.5	21.5	19.5	20.5
20	---	---	---	24.0	20.0	21.5	26.5	23.0	24.5	23.5	20.5	21.5
21	---	---	---	25.0	20.5	22.5	25.5	22.0	24.0	---	---	---
22	---	---	---	25.0	20.5	22.5	26.5	24.0	25.0	---	---	---
23	---	---	---	25.5	20.0	22.5	26.0	22.0	24.0	---	---	---
24	---	---	---	26.5	21.5	24.0	24.5	21.5	23.0	---	---	---
25	---	---	---	24.5	21.5	23.5	28.0	23.0	25.0	---	---	---
26	---	---	---	25.0	20.0	22.5	26.5	23.0	25.0	---	---	---
27	---	---	---	24.5	19.5	22.0	26.5	22.0	24.0	---	---	---
28	---	---	---	25.0	21.0	23.0	26.0	21.5	23.5	---	---	---
29	---	---	---	26.5	21.5	23.5	25.0	21.5	23.0	---	---	---
30	23.5	20.5	---	26.5	21.5	24.0	23.5	20.5	22.5	---	---	---
31	---	---	---	27.0	22.0	25.0	21.0	18.5	19.5	---	---	---
MONTH	---	---	---	---	---	---	29.5	18.5	24.5	---	---	---

DELAWARE RIVER BASIN

01480685 MARSH CREEK NEAR DOWNINGTOWN, PA.

LOCATION.--Lat 40°03'19", long 75°43'00", Chester County, on left bank 1,000 ft (305 m) downstream from Marsh Creek Dam, 0.2 mi (0.3 km) upstream from mouth, and 3.0 mi (4.8 km) north of Downingtown.

DRAINAGE AREA.--20.3 mi^2 (52.6 km^2).

PERIOD OF Record.--Water temperatures: October 1973 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 31.5°C Aug. 2; minimum, 1.5°C Jan. 21, Feb. 13, 14.

Period of record:
Water temperatures: Maximum, 31.5°C Aug. 2, 1975; minimum, 1.0°C Dec. 22, 1973, Feb. 9, 10, 1974.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	6.5	6.5	6.5	---	---	---
2				---	---	---	6.5	5.5	6.5	---	---	---
3				---	---	---	7.0	5.5	6.5	---	---	---
4				---	---	---	6.5	5.0	5.5	---	---	---
5				---	---	---	6.5	5.0	5.5	---	---	---
6				---	---	---	6.5	5.0	5.5	---	---	---
7				---	---	---	7.0	5.5	6.0	---	---	---
8				---	---	---	6.0	5.0	5.5	---	---	---
9				---	---	---	5.0	5.0	5.0	---	---	---
10				---	---	---	5.0	5.0	5.0	---	---	---
11				12.0	11.0	---	5.5	5.0	5.0	---	---	---
12				12.0	11.0	11.5	5.5	5.0	5.0	---	---	---
13				12.0	10.5	11.0	5.0	5.0	5.0	---	---	---
14				11.0	10.5	10.5	5.0	4.5	5.0	---	---	---
15				11.5	10.0	10.5	6.0	5.0	5.0	---	---	---
16				10.5	10.0	10.0	5.5	5.0	5.0	3.5	2.0	---
17				10.5	9.5	10.0	5.0	4.5	4.5	4.0	2.0	2.5
18				10.5	9.5	9.5	5.0	4.5	4.5	5.5	4.0	4.5
19				10.0	9.5	9.5	6.5	4.0	5.0	5.0	4.0	4.5
20				9.5	9.0	9.5	6.0	4.5	5.0	4.0	1.5	2.5
21				9.5	8.5	8.5	5.0	4.5	---	5.0	3.0	3.5
22				9.5	8.0	8.5	---	---	---	5.0	4.5	---
23				9.5	8.0	8.5	---	---	---	---	---	---
24				9.0	8.0	8.5	---	---	---	---	---	---
25				7.0	6.5	7.0	---	---	---	---	---	---
26				8.5	6.5	7.5	---	---	---	---	---	---
27				8.0	7.0	7.0	---	---	---	---	---	---
28				7.0	6.5	7.0	---	---	---	---	---	---
29				7.0	6.5	6.5	---	---	---	---	---	---
30				---	---	---	---	---	---	---	---	---
31				---	---	---	---	---	---	---	---	---
MONTH												

01480685 MARSH CREEK NEAR DOWNINGTOWN, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.0	6.5	6.5	11.0	10.5	10.5
2	---	---	---	---	---	---	7.0	6.5	6.5	12.0	10.5	11.5
3	---	---	---	---	---	---	7.0	6.5	6.5	12.0	10.5	11.5
4	---	---	---	---	---	---	7.0	5.0	6.5	11.5	10.5	11.0
5	5.5	5.0	---	---	---	---	7.0	3.0	5.0	13.0	11.5	12.0
6	5.5	4.5	5.0	---	---	---	8.0	5.0	6.0	12.0	12.0	12.0
7	5.0	3.5	4.5	---	---	---	7.0	5.0	6.0	13.0	12.0	12.5
8	5.0	4.5	4.5	---	---	---	7.0	5.0	6.0	13.0	11.5	12.5
9	4.0	2.0	3.5	---	---	---	7.0	5.5	6.5	13.0	12.0	12.5
10	5.0	3.5	4.0	---	---	---	7.0	6.5	6.5	13.0	12.0	12.5
11	4.5	3.5	4.5	---	---	---	7.0	6.5	6.5	13.0	12.0	12.5
12	4.5	3.0	4.0	4.0	4.0	---	8.5	6.5	7.5	13.5	12.0	12.5
13	4.0	1.5	3.5	5.0	4.0	4.5	8.0	6.5	7.0	13.5	12.0	13.0
14	4.0	1.5	3.0	4.5	4.0	4.5	9.0	6.5	7.5	14.5	12.0	13.5
15	5.0	4.0	4.5	5.0	3.5	4.0	7.0	7.0	7.0	13.5	12.0	13.0
16	5.0	4.5	4.5	5.0	4.0	4.5	9.0	7.0	8.0	14.5	13.0	14.0
17	5.0	4.5	5.0	5.0	4.5	5.0	9.5	8.5	9.0	14.5	13.0	13.5
18	5.5	4.5	5.0	5.0	5.0	5.0	9.0	8.5	8.5	14.5	13.0	13.5
19	5.5	4.5	5.0	7.0	5.0	5.5	9.0	8.5	9.0	14.5	13.0	14.0
20	6.0	4.5	---	6.0	5.0	5.5	9.5	8.5	9.0	14.5	13.0	14.0
21	---	---	---	6.5	5.0	5.5	9.5	8.5	9.0	14.5	13.0	14.0
22	---	---	---	6.5	5.5	5.5	10.0	8.5	9.0	14.5	13.5	14.5
23	---	---	---	7.0	5.5	6.0	10.0	8.5	9.0	15.0	13.5	14.0
24	---	---	---	6.5	6.0	6.0	10.0	9.0	9.5	15.5	14.0	14.5
25	---	---	---	8.0	6.5	7.0	12.0	9.5	11.0	15.0	13.0	14.0
26	---	---	---	7.0	6.5	6.5	13.0	11.5	12.5	14.0	13.0	13.5
27	---	---	---	6.5	6.0	6.5	12.0	11.0	12.0	15.0	13.0	13.5
28	---	---	---	6.5	6.0	6.5	12.0	10.5	11.5	16.5	13.0	14.0
29	---	---	---	6.5	6.5	6.5	11.0	10.5	11.0	15.0	13.5	14.5
30	---	---	---	7.0	6.5	6.5	12.0	10.5	11.5	15.5	14.0	14.5
31	---	---	---	7.0	6.0	6.5	---	---	---	18.0	15.5	16.5
MONTH	---	---	---	---	---	---	13.0	3.0	8.0	18.0	10.5	13.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	18.0	20.5	20.0	18.5	19.0	20.5	18.0	19.5	---	---	---
2	22.0	20.0	21.0	19.0	17.0	18.0	31.5	18.5	24.5	---	---	---
3	20.0	18.0	19.0	18.5	17.0	17.5	31.0	24.5	29.5	---	---	---
4	19.0	17.0	18.0	18.0	17.0	17.5	29.5	23.0	26.5	23.5	23.0	---
5	18.0	17.0	17.5	17.0	16.5	17.0	25.0	24.0	24.5	24.5	22.0	23.5
6	19.0	16.5	17.5	17.0	15.5	16.0	24.5	22.0	23.5	23.5	22.0	22.5
7	19.5	16.5	18.0	16.0	13.0	15.5	22.0	20.5	21.5	23.0	22.0	22.5
8	19.5	16.0	17.5	15.5	13.0	15.0	21.0	20.0	20.5	24.0	22.0	23.0
9	18.0	16.0	17.0	15.0	14.5	15.0	21.5	20.0	20.5	23.5	21.5	22.5
10	17.0	16.0	16.5	19.5	14.5	16.0	21.0	20.0	20.5	24.0	21.0	22.5
11	16.5	15.5	16.0	20.5	18.5	19.5	21.5	20.0	20.5	22.0	21.0	21.5
12	17.0	15.5	16.5	20.0	19.5	20.0	22.0	20.0	21.0	22.0	20.5	21.0
13	20.5	17.0	19.5	25.0	19.5	21.5	21.5	20.0	21.0	23.0	20.5	21.0
14	20.5	18.5	19.5	24.5	21.0	24.0	21.5	20.0	20.5	21.5	20.0	20.5
15	18.5	17.0	18.0	24.5	24.5	24.5	21.0	20.0	20.5	20.5	19.5	20.0
16	19.0	17.0	18.0	24.5	24.0	24.5	21.0	19.5	20.5	20.5	19.5	20.0
17	19.0	18.0	18.5	25.5	24.5	25.0	21.0	20.5	20.5	23.0	17.0	20.5
18	20.5	18.0	19.0	26.0	25.0	25.5	22.0	20.5	21.0	20.5	19.5	20.0
19	20.5	18.5	19.5	26.5	24.5	25.5	22.0	20.5	21.0	20.5	19.5	20.0
20	20.0	18.5	19.5	26.5	25.0	26.0	22.0	20.5	21.0	21.0	19.5	20.5
21	19.0	17.0	18.5	28.5	26.0	27.0	21.0	20.0	20.5	20.5	20.0	20.5
22	17.0	16.5	17.0	27.0	20.5	24.0	20.5	19.5	20.0	21.5	20.0	20.5
23	17.0	15.5	16.0	20.5	17.0	19.5	20.5	19.0	19.5	19.5	18.5	19.0
24	18.0	15.5	16.5	18.5	16.5	17.5	19.5	18.5	19.0	19.0	18.5	19.0
25	17.0	16.5	17.0	18.5	17.0	18.0	28.0	18.0	22.5	19.0	18.5	18.5
26	17.0	16.5	17.0	17.0	15.5	16.5	28.0	25.0	26.0	20.0	18.0	19.0
27	17.0	16.0	16.5	19.5	15.5	17.0	27.0	25.0	26.0	20.0	19.0	19.5
28	19.5	17.0	18.0	19.5	17.0	18.5	26.0	24.5	25.0	19.5	18.5	19.0
29	21.0	19.0	20.0	20.0	18.0	19.0	25.5	24.0	25.0	20.5	18.0	19.0
30	20.5	19.5	20.0	20.0	18.0	19.0	24.0	24.0	---	19.0	18.0	18.5
31	---	---	---	20.5	18.0	19.0	---	---	---	---	---	---
MONTH	22.0	15.5	18.0	28.5	13.0	20.0	31.5	18.0	22.0	24.5	17.0	20.5

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN, PA.

LOCATION.--Lat 39°58'07", long 75°40'25", Chester County, on left bank at downstream side of Sugars Bridge (State Highway 322), 2,000 ft (610 m) upstream from Valley Creek, 1.5 mi (2.4 km) north of Marshalltown, and 3.3 mi (5.3 km) southeast of Downingtown.

DRAINAGE AREA.--89.9 mi^2 (232.8 km^2).

PERIOD OF RECORD.--Chemical analyses: Water years 1966 and 1970 (partial-record station), October 1970 to September 1972, March 1973 to September 1975.
Water temperatures: February to June 1972, March 1973 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 401 micromhos Mar. 15; minimum, 125 micromhos July 14.
Dissolved oxygen: Maximum, 14.8 mg/l Feb. 10; minimum, 4.2 mg/l Oct. 3.
pH: Maximum, 8.5 April 23; minimum, 6.3 May 1.
Water temperatures: Maximum, 28.0°C June 14; minimum, 1.0°C Feb. 10, 14, 15.

Period of record:
Specific conductance (1972-75): Maximum, 401 micromhos Mar. 15, 1975; minimum, 85 micromhos Apr. 13, 1974.
Dissolved oxygen (1972-75): Maximum, 15.9 mg/l Feb. 16, 1974; minimum, 1.1 mg/l Aug. 17, 1974.
pH (1972-75): Maximum, 9.9 May 13, June 5, 1973; minimum, 5.4 Oct. 24, 26, 1973.
Water temperatures: Maximum, 30.0°C Aug. 30, 1973; minimum, 0.5°C Jan. 9, 1974.

REMARKS.--No continuous records for pH available October to January.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	289	270	277	350	330	341	270	250	260	259	219	233
2	293	283	288	343	315	329	252	221	238	222	204	215
3	300	290	296	327	290	308	263	249	256	230	220	225
4	303	298	301	350	290	315	279	263	269	230	223	228
5	310	290	300	350	325	333	284	270	277	230	222	228
6	298	278	288	338	320	327	290	274	281	259	223	237
7	315	275	293	337	323	331	287	261	276	355	227	254
8	305	288	298	330	320	327	259	200	223	261	246	254
9	309	293	302	330	290	314	222	210	216	260	199	220
10	340	300	320	289	270	281	214	210	212	250	222	240
11	350	328	340	344	270	297	239	215	227	259	248	251
12	348	290	315	319	255	304	249	234	240	260	242	249
13	295	270	286	274	250	261	248	239	242	251	230	244
14	360	280	312	290	275	283	248	230	238	270	251	261
15	355	330	341	290	280	284	238	222	230	260	248	256
16	340	240	285	286	262	274	238	130	187	268	259	261
17	280	250	264	269	253	262	209	152	187	267	259	261
18	300	275	286	322	255	280	220	209	213	280	253	261
19	300	270	283	299	280	290	228	220	223	269	240	249
20	270	260	267	300	280	293	236	225	229	250	240	242
21	310	260	286	294	269	282	239	225	231	250	240	246
22	310	295	306	299	283	291	230	220	224	270	250	257
23	330	308	317	295	266	280	250	223	231	270	263	267
24	340	309	320	272	255	265	230	225	228	270	262	267
25	327	312	320	293	256	275	232	225	229	270	260	267
26	320	300	311	293	273	280	240	224	231	268	244	252
27	308	273	293	303	276	286	241	225	233	249	240	244
28	340	270	298	297	258	276	250	227	233	251	248	249
29	330	304	317	261	245	256	234	225	231	260	251	255
30	333	320	325	266	243	257	244	230	236	258	253	---
31	387	307	358	---	---	---	245	227	231	---	---	---
MONTH	387	240	303	350	243	293	290	130	234	355	199	247

DELAWARE RIVER BASIN

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	268	253	257	250	247	249	225	204	217
2	---	---	---	263	252	255	253	248	251	211	208	---
3	---	---	---	265	251	258	251	241	247	---	---	---
4	---	---	---	277	262	268	263	244	252	---	---	---
5	---	---	---	271	261	266	265	257	261	---	---	---
6	---	---	---	275	262	269	265	255	259	---	---	---
7	311	292	---	275	263	271	269	254	262	---	---	---
8	291	270	278	275	261	267	275	265	270	---	---	---
9	269	261	265	273	250	259	271	254	261	237	230	---
10	293	257	272	279	258	267	244	232	239	233	223	228
11	281	272	278	289	274	282	233	229	230	235	222	225
12	291	263	273	280	265	273	232	223	229	241	222	231
13	311	263	283	273	262	267	232	224	227	236	208	215
14	311	286	296	349	261	277	240	225	232	236	219	224
15	301	281	289	401	271	323	241	239	240	240	229	234
16	363	268	292	271	243	253	236	231	---	243	199	213
17	328	292	302	260	245	253	240	233	---	224	213	218
18	303	248	281	262	251	256	243	231	236	227	220	223
19	251	242	246	263	148	236	241	229	233	251	223	233
20	260	240	249	183	151	---	239	225	228	254	241	246
21	268	250	258	241	237	---	240	224	230	250	228	240
22	268	253	262	248	239	242	237	229	232	240	225	233
23	268	226	247	246	233	241	245	235	238	245	235	---
24	243	174	222	248	235	242	244	218	235	---	---	---
25	249	188	226	239	225	234	200	142	180	---	---	---
26	249	242	245	249	241	244	197	131	167	---	---	---
27	258	244	251	252	247	249	214	199	201	269	250	---
28	265	253	258	250	243	246	219	204	210	270	259	---
29	---	---	---	249	247	248	220	218	220	275	255	264
30	---	---	---	249	232	240	225	218	221	270	250	260
31	---	---	---	249	235	242	---	---	---	249	210	232
MONTH	363	174	---	401	148	258	275	131	234	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	280	155	175	221	210	218	249	235	241	290	280	284
2	234	200	218	239	212	223	245	235	239	301	275	289
3	233	215	224	232	220	225	250	230	239	301	290	298
4	249	225	231	228	214	222	250	235	241	305	295	300
5	239	195	218	230	220	224	245	220	232	315	300	307
6	221	186	208	230	220	227	242	240	240	315	300	306
7	229	221	225	240	221	232	240	230	236	305	280	290
8	232	222	226	240	230	236	250	240	243	305	280	291
9	235	224	229	240	230	238	255	240	247	305	290	299
10	239	232	236	241	220	230	250	240	247	310	290	301
11	239	233	238	245	230	237	255	240	246	310	290	301
12	239	220	---	245	239	240	260	245	251	310	260	298
13	---	---	---	235	139	171	260	250	255	290	265	275
14	---	---	---	160	125	139	265	255	261	295	280	286
15	---	---	---	---	---	---	255	250	252	295	280	288
16	---	---	---	---	---	---	255	225	236	395	385	390
17	---	---	---	---	---	---	235	225	229	300	285	292
18	235	229	---	---	---	---	245	230	237	300	285	292
19	240	229	234	---	---	---	250	240	244	390	380	382
20	239	220	230	---	---	---	275	240	261	285	265	280
21	245	225	234	---	---	---	275	261	270	240	230	238
22	241	224	233	---	---	---	280	265	275	250	245	248
23	250	220	236	---	---	---	285	265	276	245	190	207
24	250	238	245	220	220	---	285	275	278	200	175	186
25	250	228	237	215	161	188	295	270	282	220	185	204
26	240	210	225	225	210	218	295	280	287	220	220	220
27	230	195	221	230	215	222	300	280	292	230	220	225
28	200	130	179	240	222	231	300	284	295	235	225	230
29	205	150	178	240	230	235	300	280	294	245	230	239
30	222	207	214	245	230	238	300	290	297	250	240	243
31	---	---	---	246	235	240	300	279	285	---	---	---
MONTH	250	130	---	---	---	---	300	220	258	395	175	276

DELAWARE RIVER BASIN

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.4	4.6	5.3	---	---	---	---	---	---	12.1	11.3	11.8
2	5.7	4.5	5.0	---	---	---	---	---	---	12.2	10.6	11.3
3	7.2	4.2	5.8	---	---	---	---	---	---	11.5	10.6	11.1
4	7.8	5.0	6.4	---	---	---	12.6	10.6	---	11.1	10.7	10.9
5	7.0	4.4	---	---	---	---	12.6	10.4	11.3	11.7	10.6	11.2
6	---	---	---	---	---	---	12.2	9.6	10.5	12.2	11.1	11.7
7	---	---	---	---	---	---	11.4	8.8	10.1	11.7	11.0	11.3
8	---	---	---	---	---	---	8.6	8.0	---	12.0	10.6	11.5
9	---	---	---	---	---	---	---	---	---	10.6	9.6	10.1
10	---	---	---	---	---	---	---	---	---	10.0	9.4	9.7
11	---	---	---	---	---	---	13.4	11.8	---	9.4	8.6	---
12	---	---	---	---	---	---	12.0	10.4	11.4	---	---	---
13	---	---	---	10.0	8.4	---	10.6	10.4	---	---	---	---
14	---	---	---	11.1	7.5	9.2	---	---	---	12.0	11.8	---
15	---	---	---	9.6	6.6	7.8	---	---	---	13.4	12.0	---
16	---	---	---	9.4	6.6	7.8	---	---	---	---	---	---
17	8.0	6.8	---	8.7	6.6	7.5	---	---	---	---	---	---
18	7.6	6.6	7.1	9.2	6.1	7.5	12.6	12.4	---	---	---	---
19	8.2	6.6	7.2	8.2	4.7	6.3	13.4	12.4	13.0	---	---	---
20	7.8	6.6	7.1	---	---	---	13.6	12.7	13.1	---	---	---
21	7.0	5.4	6.4	10.0	8.4	---	13.2	12.4	12.8	---	---	---
22	6.2	5.2	---	11.6	8.5	9.8	13.2	12.4	12.8	---	---	---
23	---	---	---	12.1	9.2	10.5	13.8	12.4	13.1	---	---	---
24	---	---	---	12.0	9.4	10.5	12.8	11.9	12.4	---	---	---
25	---	---	---	11.4	8.6	9.7	12.2	11.8	11.9	---	---	---
26	---	---	---	12.8	8.6	10.5	13.3	12.2	12.9	---	---	---
27	---	---	---	11.8	9.5	10.3	12.4	11.7	---	---	---	---
28	---	---	---	11.4	9.0	9.9	12.2	11.6	11.9	---	---	---
29	---	---	---	10.8	8.5	9.3	12.5	11.4	12.1	---	---	---
30	---	---	---	10.9	8.4	9.4	11.4	11.0	11.2	---	---	---
31	---	---	---	---	---	---	12.4	11.2	12.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	12.4	11.0	11.6	10.6	9.2	10.2	9.6	9.1	9.4
2	---	---	---	12.6	11.0	11.8	10.8	9.3	10.0	9.4	9.0	---
3	---	---	---	13.4	11.4	12.2	10.0	9.2	9.4	---	---	---
4	---	---	---	13.2	11.7	12.4	11.9	9.9	10.8	---	---	---
5	---	---	---	13.2	11.4	12.4	12.0	10.8	11.3	---	---	---
6	---	---	---	12.8	10.7	11.9	12.1	10.8	11.5	---	---	---
7	13.6	12.8	---	12.4	10.3	11.4	11.4	10.6	---	---	---	---
8	14.6	12.9	13.8	12.4	10.2	11.2	10.6	8.6	10.0	---	---	---
9	14.4	13.0	13.6	13.4	11.0	12.3	10.2	8.3	9.3	10.6	9.2	---
10	14.8	13.2	14.0	13.3	11.3	12.3	11.4	9.0	10.3	10.6	8.8	9.5
11	14.2	12.8	13.5	13.2	11.2	12.2	11.1	9.4	10.2	10.8	8.2	9.5
12	14.4	12.6	13.4	12.4	10.9	11.4	10.6	9.0	9.8	10.4	7.6	9.0
13	14.6	13.4	13.8	12.2	10.2	11.2	10.4	8.9	9.7	---	---	---
14	14.7	13.2	13.9	11.8	10.1	11.1	11.8	8.0	9.6	---	---	---
15	14.7	13.0	13.9	12.6	10.2	11.4	10.8	8.3	9.2	---	---	---
16	14.0	12.0	13.1	12.2	10.2	11.1	10.0	8.8	---	---	---	---
17	13.4	11.5	12.4	12.9	10.0	11.4	12.4	7.6	---	---	---	---
18	13.2	11.6	12.2	12.8	11.0	---	12.6	7.6	9.7	---	---	---
19	12.8	11.2	11.9	---	---	---	10.6	7.7	9.8	12.8	9.6	---
20	12.8	11.2	12.0	---	---	---	12.4	7.7	9.9	12.2	8.8	10.4
21	13.1	11.2	12.0	12.0	10.6	---	13.2	8.1	10.3	11.0	8.6	9.5
22	13.2	10.6	11.9	11.2	10.2	10.7	13.5	7.8	10.4	9.4	8.4	---
23	---	---	---	11.2	10.0	10.5	11.4	7.7	---	---	---	---
24	---	---	---	11.0	10.0	10.5	---	---	---	---	---	---
25	---	---	---	10.8	10.1	10.6	---	---	---	---	---	---
26	---	---	---	11.2	10.0	10.7	---	---	---	---	---	---
27	---	---	---	12.0	10.7	11.4	---	---	---	---	---	---
28	12.6	10.9	---	12.0	10.7	11.4	---	---	---	10.8	7.8	---
29	---	---	---	11.2	10.0	10.8	---	---	---	10.6	7.8	9.1
30	---	---	---	10.1	8.9	9.6	10.8	9.3	---	10.0	7.8	8.7
31	---	---	---	11.2	8.8	10.1	---	---	---	9.6	8.0	8.7
MONTH	---	---	---	13.4	8.8	11.3	13.5	7.6	---	---	---	---

DELAWARE RIVER BASIN

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.4	7.4	8.1	8.4	7.2	7.8	9.0	7.1	7.9	7.9	5.5	6.9
2	8.8	7.4	8.2	8.0	6.7	7.4	8.9	6.3	7.7	8.4	6.1	7.6
3	8.2	7.4	7.8	7.4	6.6	7.0	8.5	6.3	7.3	8.4	6.0	7.1
4	8.4	7.0	7.7	7.6	6.6	7.1	7.9	5.9	6.8	8.6	6.8	7.8
5	7.6	7.0	7.3	7.9	6.8	7.3	7.9	5.8	6.8	8.4	6.7	7.4
6	7.1	6.8	---	8.2	6.8	7.4	7.2	5.8	6.8	7.9	6.4	6.9
7	7.6	7.0	7.3	8.4	6.6	7.5	7.8	6.9	7.3	8.6	6.5	7.5
8	8.5	7.2	7.9	8.4	7.1	7.7	7.9	6.5	7.2	9.3	7.0	8.0
9	10.2	8.0	9.5	8.0	7.0	7.5	7.8	6.4	6.9	8.7	7.3	7.9
10	10.2	9.6	9.9	8.0	6.4	7.2	7.6	6.3	6.9	9.1	6.7	7.8
11	10.2	9.6	9.9	6.8	6.1	6.3	7.3	6.0	6.6	8.7	7.3	8.0
12	9.8	8.8	9.2	6.8	6.0	6.3	8.5	6.1	7.5	8.9	6.7	7.5
13	9.2	6.8	8.3	---	---	---	8.3	7.2	7.7	8.6	7.8	8.2
14	8.4	6.0	7.3	---	---	---	8.2	6.8	7.4	8.8	7.8	8.2
15	7.8	6.4	7.0	---	---	---	8.0	6.6	7.1	9.3	8.1	8.7
16	8.2	6.6	7.3	---	---	---	6.8	6.5	6.6	9.2	8.4	8.7
17	7.8	6.4	7.2	---	---	---	7.0	6.6	6.7	10.4	8.4	9.4
18	8.4	6.4	7.3	---	---	---	8.0	6.7	7.4	10.1	8.9	9.3
19	8.4	6.8	7.7	---	---	---	7.8	6.9	7.2	10.3	8.5	9.5
20	8.2	6.9	7.5	---	---	---	7.7	6.8	7.1	10.3	9.7	9.9
21	8.6	7.2	7.9	---	---	---	7.8	6.8	7.2	9.4	8.2	8.6
22	8.9	7.4	8.1	---	---	---	7.5	6.6	7.0	8.4	7.7	8.1
23	9.4	7.4	8.2	---	---	---	7.7	6.6	7.1	9.6	8.2	8.8
24	9.2	7.0	8.1	9.1	8.4	---	7.5	6.7	7.0	9.2	8.8	9.0
25	8.8	7.1	7.9	8.6	7.5	8.3	7.4	6.5	6.8	9.5	8.2	9.0
26	8.4	7.2	7.9	9.4	8.6	9.0	9.4	6.5	7.3	9.2	8.1	8.7
27	8.8	8.0	8.3	9.6	8.2	9.1	7.9	6.0	6.9	8.1	7.5	7.9
28	8.2	7.4	7.9	9.4	8.0	8.7	8.0	6.4	7.0	8.8	7.8	8.3
29	7.8	6.9	7.4	9.5	8.0	8.7	8.1	5.9	6.9	10.4	7.9	9.4
30	8.2	7.0	7.6	9.9	8.2	8.9	7.2	5.8	6.3	10.9	9.4	10.3
31	---	---	---	9.0	7.1	8.3	7.0	5.8	6.4	---	---	---
MONTH	10.2	6.0	8.0	---	---	---	9.4	5.8	7.1	10.9	5.5	8.3

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.3	7.0	7.1	7.3	7.1	7.2	6.7	6.3	6.6
2	---	---	---	7.4	7.0	7.2	7.6	7.2	7.4	6.8	6.5	---
3	---	---	---	7.4	7.1	7.2	7.4	7.2	7.3	---	---	---
4	---	---	---	7.4	7.1	7.2	7.5	7.3	7.4	---	---	---
5	---	---	---	7.4	7.1	7.2	7.6	7.3	7.4	---	---	---
6	---	---	---	7.5	7.2	7.3	7.6	7.3	7.5	---	---	---
7	---	---	---	7.5	7.1	7.2	7.8	7.3	7.5	---	---	---
8	---	---	---	7.9	7.1	7.4	7.8	7.6	7.6	---	---	---
9	---	---	---	7.7	7.3	7.5	7.9	7.5	7.7	---	---	---
10	---	---	---	7.6	7.3	7.4	7.7	6.8	7.6	---	---	---
11	---	---	---	7.7	7.2	7.4	7.8	7.4	7.5	---	---	---
12	---	---	---	7.4	7.1	7.2	7.8	7.3	7.5	---	---	---
13	---	---	---	7.7	7.1	7.3	7.7	7.3	7.5	---	---	---
14	---	---	---	7.5	7.1	7.3	7.8	7.3	7.5	---	---	---
15	---	---	---	7.7	7.1	7.4	7.6	7.2	7.4	---	---	---
16	---	---	---	7.7	7.1	7.3	7.7	7.3	---	---	---	---
17	---	---	---	7.7	7.0	7.3	---	---	---	---	---	---
18	---	---	---	7.9	7.2	7.5	---	---	---	---	---	---
19	---	---	---	7.3	6.8	7.2	---	---	---	---	---	---
20	---	---	---	7.0	6.8	---	---	---	---	---	---	---
21	---	---	---	7.1	7.1	---	---	---	---	---	---	---
22	---	---	---	7.3	7.0	7.1	---	---	---	---	---	---
23	---	---	---	7.2	7.0	7.1	8.5	7.5	---	---	---	---
24	---	---	---	7.1	7.1	7.1	7.9	7.1	7.4	---	---	---
25	---	---	---	7.3	7.1	7.1	7.3	7.0	7.1	---	---	---
26	---	---	---	7.2	7.1	7.1	7.3	6.9	7.1	---	---	---
27	6.9	6.8	---	7.3	7.1	7.2	7.5	7.3	7.3	---	---	---
28	7.2	6.9	7.0	7.3	7.2	7.2	7.3	6.9	7.2	---	---	---
29	---	---	---	7.4	7.1	7.2	7.3	6.9	7.1	---	---	---
30	---	---	---	7.3	7.1	7.2	7.2	6.7	7.0	---	---	---
31	---	---	---	7.4	7.2	7.3	---	---	---	---	---	---
MONTH	---	---	---	7.9	6.8	7.2	8.5	6.7	---	---	---	---

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.6	7.4	7.5						
2	---	---	---	7.6	7.4	7.5						
3	---	---	---	7.6	7.3	7.4						
4	7.5	7.4	---	7.6	7.4	7.5						
5	7.4	7.3	7.3	7.7	7.4	7.5						
6	7.4	7.3	7.3	7.6	7.3	7.5						
7	7.4	7.3	7.4	8.0	7.4	7.7						
8	7.5	7.3	7.4	8.1	7.5	7.7						
9	7.6	7.4	7.5	8.1	7.4	7.7						
10	7.6	7.4	7.5	7.9	7.4	7.6						
11	7.6	7.4	7.5	8.3	7.5	7.8						
12	7.4	7.4	---	8.2	7.5	7.8						
13	---	---	---	7.6	7.2	7.4						
14	---	---	---	7.2	7.0	7.1						
15	---	---	---	---	---	---						
16	---	---	---	---	---	---						
17	---	---	---	---	---	---						
18	7.7	7.5	---	---	---	---						
19	7.8	7.4	7.5	---	---	---						
20	7.7	7.4	7.5	---	---	---						
21	7.8	7.5	7.6	---	---	---						
22	8.0	7.5	7.7	---	---	---						
23	8.1	7.5	7.7	---	---	---						
24	8.2	7.4	7.7	---	---	---						
25	8.1	7.4	7.7	---	---	---						
26	7.6	7.4	7.5	---	---	---						
27	7.7	7.5	7.6	---	---	---						
28	7.6	7.3	7.5	---	---	---						
29	7.5	7.3	7.4	---	---	---						
30	7.6	7.3	7.5	---	---	---						
31	---	---	---	---	---	---						
MONTH	---	---	---	---	---	---						

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.5	17.0	17.5	19.0	15.5	17.0	5.0	3.5	4.0	5.5	3.5	4.5
2	17.0	16.0	16.5	19.0	16.5	17.5	5.5	5.5	5.5	6.0	3.5	5.0
3	16.0	13.0	14.0	19.0	18.0	---	6.5	5.0	5.5	5.5	4.0	5.0
4	14.5	11.0	12.5	---	---	---	5.0	4.0	4.5	7.0	5.5	6.0
5	15.5	11.5	13.5	17.0	16.0	---	4.5	3.0	4.0	6.5	5.0	6.0
6	17.0	13.0	14.5	16.0	13.5	15.0	5.0	3.5	4.0	6.0	4.0	5.5
7	17.0	14.0	15.5	15.0	13.0	13.5	6.0	3.5	4.5	6.5	5.5	6.0
8	16.5	14.0	15.0	13.5	11.0	12.0	7.0	6.0	---	6.5	4.5	5.5
9	16.5	13.5	14.5	13.0	10.0	11.0	---	---	---	8.0	6.5	7.0
10	15.0	13.5	14.0	12.0	8.5	10.0	---	---	---	7.0	6.5	7.0
11	15.0	11.5	13.5	11.5	8.5	10.0	4.5	3.0	---	10.5	8.0	9.5
12	15.0	13.0	14.0	13.0	10.0	11.5	6.0	4.5	5.0	10.0	8.5	9.0
13	15.5	14.0	14.5	12.0	9.5	11.0	6.0	5.0	5.5	8.5	6.5	7.5
14	15.5	14.0	14.5	11.5	9.0	10.0	6.0	5.0	6.0	6.5	5.5	6.0
15	16.5	14.5	15.5	10.5	9.0	9.5	5.0	4.0	4.5	5.5	4.5	5.0
16	15.0	14.0	14.5	9.5	7.0	8.0	6.5	5.0	6.0	7.0	5.5	6.0
17	15.0	13.5	14.0	9.0	6.5	7.5	6.0	5.0	5.5	6.0	5.5	5.5
18	14.5	11.5	13.5	9.0	6.5	7.5	5.5	4.0	4.5	5.5	5.0	5.5
19	12.0	10.0	11.0	10.0	6.5	8.5	5.0	3.5	4.0	6.0	4.5	5.5
20	11.0	9.0	9.5	11.0	9.5	10.5	5.0	4.0	4.5	6.0	5.5	5.5
21	10.5	8.0	9.0	10.5	7.0	9.0	5.5	4.5	5.0	6.0	5.0	5.5
22	13.0	8.5	10.0	8.0	6.0	6.5	5.5	4.0	5.0	6.0	5.0	5.5
23	12.0	10.5	11.0	6.5	4.5	5.5	5.0	3.0	4.0	7.0	5.5	6.0
24	13.0	9.5	11.0	8.0	4.0	5.5	6.0	5.0	5.5	9.0	6.0	6.5
25	14.5	11.0	12.5	7.0	5.5	6.0	6.5	5.0	6.0	8.5	7.0	7.0
26	14.0	11.5	12.5	5.5	3.0	4.0	5.0	3.5	4.5	8.0	7.0	7.0
27	13.5	10.5	11.5	4.5	1.5	3.5	4.5	3.5	4.0	8.5	7.0	7.0
28	13.5	10.0	11.5	5.0	3.5	4.0	5.0	4.0	4.5	9.5	7.0	8.0
29	15.5	12.0	13.5	5.0	3.0	4.0	5.0	3.5	4.0	9.5	8.0	8.5
30	16.5	14.0	15.0	4.5	3.0	3.5	6.5	5.0	5.5	9.5	8.5	---
31	16.0	15.0	16.5	---	---	---	4.5	3.0	3.5	---	---	---
MONTH	19.5	8.0	13.5	19.0	1.5	9.0	7.0	3.0	5.0	10.5	3.5	6.5

DELAWARE RIVER BASIN

01480870 EAST BRANCH BRANDYWINE CREEK BELOW DOWNINGTOWN

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.0	5.5	6.5	12.0	8.5	10.0	13.0	10.5	11.5
2	---	---	---	6.0	5.0	5.5	13.0	10.0	11.5	13.0	10.5	---
3	---	---	---	5.0	3.5	4.5	11.0	9.0	10.5	---	---	---
4	---	---	---	5.5	3.0	4.5	9.0	7.0	8.0	---	---	---
5	---	---	---	6.5	3.5	5.0	9.5	6.0	8.0	---	---	---
6	---	---	---	8.0	4.5	6.5	10.0	6.5	8.5	---	---	---
7	6.0	4.0	---	8.0	6.0	7.0	10.5	8.0	9.5	---	---	---
8	4.5	2.0	3.5	9.0	6.0	7.5	12.0	9.0	10.5	---	---	---
9	5.0	3.5	4.0	6.0	2.0	4.5	13.0	9.5	11.5	15.0	13.5	---
10	4.0	1.0	3.0	5.0	3.5	4.5	12.0	10.5	11.0	16.0	12.0	14.5
11	4.5	3.0	3.5	7.0	5.0	6.0	13.5	10.0	11.5	16.5	11.5	14.5
12	4.0	1.5	2.5	7.0	6.0	6.5	13.5	11.0	12.0	16.5	13.0	15.0
13	4.5	1.5	3.0	9.5	6.5	8.0	13.0	10.5	12.0	16.5	15.0	15.5
14	4.0	1.0	2.5	8.5	5.0	5.5	14.0	10.5	12.0	19.0	14.5	16.5
15	4.5	1.0	3.0	8.0	4.5	6.0	13.5	12.0	12.5	19.0	15.5	17.5
16	6.0	3.5	4.5	7.0	5.0	6.0	13.5	11.5	---	18.5	16.5	17.5
17	6.0	5.0	5.5	10.0	6.0	8.0	13.5	11.5	---	18.5	15.0	17.0
18	6.5	5.0	6.0	9.5	5.5	8.0	11.5	9.5	11.0	16.5	16.0	16.5
19	7.0	5.5	6.0	10.0	8.5	9.0	13.0	10.5	11.5	19.0	15.5	17.0
20	6.5	4.5	5.5	10.0	9.5	---	11.0	9.5	10.5	20.5	16.5	19.0
21	7.0	4.0	5.5	10.0	8.0	---	13.5	8.5	10.5	20.5	18.0	19.0
22	8.0	4.5	6.0	10.0	8.5	9.0	13.5	8.5	11.0	21.5	18.5	20.0
23	8.5	6.0	7.5	11.0	8.0	9.5	14.0	9.5	12.0	25.0	18.5	21.0
24	9.5	8.0	9.0	10.5	8.5	9.0	13.5	12.0	13.0	26.5	21.0	24.0
25	9.5	8.0	9.0	11.0	9.0	9.5	14.0	12.0	13.0	25.0	16.5	20.0
26	8.5	7.0	8.0	10.5	7.0	9.0	14.0	10.5	12.5	20.5	15.5	18.0
27	8.0	6.5	7.0	9.0	5.5	7.0	14.0	10.0	12.0	22.0	16.5	19.5
28	7.0	6.0	6.5	9.0	5.5	7.0	12.0	9.5	11.0	21.0	18.5	19.5
29	---	---	---	9.0	7.0	8.5	11.5	10.5	11.0	20.5	16.0	18.0
30	---	---	---	10.5	9.0	9.5	15.0	10.5	12.5	18.5	17.0	18.0
31	---	---	---	10.5	6.5	9.0	---	---	---	19.5	17.0	18.5
MONTH	9.5	1.0	---	11.0	2.0	7.0	15.0	6.0	11.0	26.5	10.5	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	18.5	19.0	22.0	18.5	20.5	24.0	21.5	22.5	20.0	19.0	19.5
2	21.0	17.0	19.0	23.0	18.5	20.5	24.0	22.0	23.0	20.0	19.5	20.0
3	19.5	17.0	18.5	23.0	19.5	21.0	24.5	23.0	24.0	20.5	19.5	20.0
4	20.0	16.0	18.0	21.5	19.0	20.5	24.5	23.5	24.0	19.5	18.0	19.0
5	19.0	16.5	17.5	22.0	19.5	21.0	24.5	23.0	23.5	18.5	18.0	18.5
6	19.0	16.5	17.5	21.0	19.5	20.5	23.5	19.5	20.5	19.0	18.5	18.5
7	18.0	16.0	17.5	21.5	19.5	20.5	19.5	18.5	19.0	18.5	18.5	18.5
8	16.5	15.5	16.0	21.5	20.0	21.0	19.0	18.0	18.5	18.5	18.5	18.5
9	17.0	15.0	16.0	21.5	20.5	21.0	19.5	18.5	19.0	19.0	18.0	18.5
10	18.0	15.0	16.5	22.0	20.0	21.0	19.0	18.5	19.0	18.0	17.0	17.5
11	17.0	15.5	16.5	22.0	20.5	21.5	20.0	19.0	19.5	17.0	16.5	17.0
12	18.5	16.0	17.0	21.5	21.0	21.5	21.5	20.0	20.5	18.5	17.0	18.0
13	20.0	18.0	21.5	21.5	21.0	21.5	23.0	21.5	22.0	18.0	16.5	17.0
14	28.0	21.5	24.5	24.0	21.0	21.5	23.0	21.0	22.5	16.5	16.0	16.0
15	26.5	23.5	24.5	---	---	---	23.0	22.0	22.5	16.0	15.5	15.5
16	25.0	20.5	23.5	---	---	---	22.0	21.5	22.0	15.5	15.5	15.5
17	26.0	23.0	24.5	---	---	---	21.5	21.5	21.5	17.0	15.0	16.0
18	26.0	22.0	24.0	---	---	---	22.0	21.0	21.5	17.0	16.5	17.0
19	24.0	20.0	22.0	---	---	---	21.5	21.0	21.5	18.0	17.0	17.5
20	24.0	20.5	22.0	---	---	---	22.0	21.5	21.5	18.5	18.0	18.0
21	23.0	18.5	21.0	---	---	---	21.5	21.0	21.5	18.5	18.5	18.5
22	21.5	18.0	20.0	---	---	---	21.5	21.0	21.5	18.5	18.0	18.5
23	23.0	18.5	20.5	---	---	---	22.0	21.0	21.5	18.0	16.0	16.5
24	23.5	20.0	21.5	24.0	23.0	---	21.5	21.5	21.5	16.5	16.0	16.0
25	23.0	20.5	22.0	22.0	21.5	21.5	22.0	21.5	22.0	17.0	16.5	16.5
26	22.0	19.0	20.0	21.5	21.0	21.5	22.0	21.0	22.0	18.0	17.0	17.5
27	19.0	18.5	19.0	21.5	19.5	21.0	22.0	21.5	21.5	18.0	17.0	18.0
28	21.0	18.5	19.5	22.0	21.0	21.5	22.0	21.0	21.5	18.0	17.0	17.5
29	22.0	19.5	21.0	23.0	21.5	22.0	21.5	21.0	21.0	17.0	16.5	17.0
30	23.0	19.5	21.0	23.0	21.0	22.0	21.5	21.0	21.0	17.0	16.5	17.0
31	---	---	---	23.5	21.0	22.5	21.0	20.0	20.5	---	---	---
MONTH	28.0	15.0	20.0	---	---	---	24.5	18.0	21.5	20.5	15.0	17.5

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.

LOCATION.--Lat 39°52'09", long 75°35'35", Delaware County, at gaging station located on left bank 27 ft (8 m) upstream from Pennsylvania Railroad Bridge at Chadds Ford, and 1,200 ft (366 m) downstream from highway bridge on U.S. Highway 1. Sediment samples collected at Pennsylvania Railroad Bridge.

DRAINAGE AREA.--287 mi^2 (743 km^2).

PERIOD OF RECORD.--Chemical analyses: March 1964 to September 1975.
Water temperatures: October 1964 to September 1975.
Sediment records: July 1963 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 370 micromhos Feb. 6; minimum, 136 micromhos April 26.
Dissolved oxygen: Maximum, 15.6 mg/l April 5; minimum, 4.7 mg/l July 10.
pH: Maximum, 9.8 Apr. 9; minimum, 6.2 June 6, July 14.
Water temperatures: Maximum, 24.5°C June 19, 24, 25, Aug. 3, 4; minimum, freezing point Feb. 13, 14.
Sediment concentrations: Maximum daily, 760 mg/l June 6; minimum daily, 1 mg/l Apr. 11, 12, 16, 17.
Sediment discharges: Maximum daily, 8,500 tons (7,711 t) July 14; minimum daily, 1.2 tons (1.1 t) April 13.

Period of record:
Specific conductance (1965-75): Maximum, 445 micromhos Oct. 25, 1971; minimum, 71 micromhos June 23, 1972.
Dissolved oxygen (1971-75): Maximum, 16.5 mg/l Jan. 13, 1973; minimum, 4.7 July 10, 1975.
pH (1965-66, 1972-75): Maximum, 9.8 Apr. 9, 1975; minimum, 6.2 June 6, July 14, 1975.
Water temperatures: Maximum, 29.0°C Aug. 9,17, 1965; minimum daily, freezing point on many days during winter months.
Sediment concentrations: Maximum daily, 2,000 mg/l (estimated) Feb. 8, 1965; minimum daily, 1 mg/l on many days.
Sediment discharges: Maximum daily, 20,000 tons (18,100 t) (estimated) Feb. 8, 1965; minimum daily, 0 tons (0 t) on Oct. 7, 8, 1967.

REMARKS.--Unpublished records of specific conductance, pH, and temperature of sediment samples available in the district office at Harrisburg. Sediment data from 01481500 Brandywine Creek at Wilmington, Del., are used in computation of sediment records.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 30...	0910	9.7	180	80	20	6.0	12	3.1	69	0	57	23

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT. 30...	17	.3	2.3	.09	.60	.69	.28	.24	156	127	83	26

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 30...	245	6.8	11.0	9.2	17	0	0	0	0	1	11	10

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.									
07...	1020	160	260	7.3	12.0	--	9.6	340	--
15...	1425	156	280	7.5	16.0	--	9.8	260	4.2
22...	0955	172	280	7.4	8.0	--	12.2	270	--
30...	0910	156	245	6.8	11.0	--	9.2	E110	7.0
NOV.									
06...	0800	172	285	7.3	14.5	--	7.8	610	6.4
13...	1245	318	260	6.7	11.0	--	10.0	--	5.0
21...	1245	214	260	7.3	8.0	--	10.6	150	3.5
25...	1200	180	270	7.4	6.0	--	12.9	190	2.8
DEC.									
04...	0835	241	260	6.5	3.5	--	12.4	43000	7.5
10...	1500	458	220	6.8	4.0	--	11.8	1600	5.3
18...	1530	480	215	6.8	4.0	--	10.0	900	4.6
27...	1500	304	240	6.8	4.0	--	12.4	44	6.2
31...	1045	276	265	7.2	5.0	--	12.2	1500	4.4
JAN.									
08...	0815	410	260	7.1	4.0	--	12.6	1600	2.7
17...	1400	385	280	6.6	5.0	--	13.6	E75	6.8
30...	1415	463	275	6.8	6.0	--	12.2	700	2.9
FEB.									
04...	1115	406	250	7.3	2.5	5	13.8	1800	1.8
12...	0900	406	270	7.2	2.0	0	12.8	1700	--
19...	0900	765	240	6.6	5.5	20	11.4	--	--
28...	1320	607	250	7.0	6.0	10	12.2	E65	2.2
MAR.									
12...	1500	450	250	7.1	5.0	15	11.7	340	1.6
21...	0950	1210	220	7.4	8.0	15	11.2	--	4.1
26...	0855	843	220	7.7	9.5	5	11.0	--	5.2
APR.									
03...	0735	877	220	6.7	11.0	5	10.3	--	2.4
10...	1330	497	220	7.5	10.0	0	12.6	E40	--
17...	0900	475	240	7.7	10.5	10	10.2	--	2.6
23...	0920	398	240	6.9	10.5	0	10.2	260	1.7
30...	0830	569	215	6.3	11.0	0	10.6	520	2.5
MAY									
09...	0805	551	235	6.8	13.5	20	9.0	300	3.3
15...	0930	514	210	7.1	17.5	--	8.2	500	3.6
28...	1000	406	240	7.0	16.5	20	7.8	350	3.1
JUNE									
02...	0830	820	175	6.4	19.0	--	8.1	310	12
10...	1130	501	260	7.1	14.0	15	9.4	--	3.2
18...	0850	597	220	7.1	20.0	10	8.9	3400	5.2
26...	1500	681	240	7.1	20.5	10	7.4	385	11
30...	1330	631	210	6.9	20.5	25	7.4	410	4.6
JULY									
17...	0900	1280	210	7.2	20.0	10	4.5	350	3.4
24...	0800	728	240	6.9	21.0	15	7.8	E120	--
30...	1500	514	240	7.8	21.0	20	9.2	270	2.4
AUG.									
04...	1600	450	240	9.0	24.0	20	7.2	E120	1.6
13...	1000	402	250	6.7	20.0	10	7.6	--	1.0
20...	1130	398	260	6.6	20.5	25	8.0	570	--
26...	1100	351	280	7.1	20.5	20	8.0	360	1.1
SEP.									
03...	1230	281	270	7.4	17.0	15	9.2	485	1.0
10...	1130	259	290	7.1	15.5	5	9.0	E110	1.1
17...	0800	259	285	7.2	14.5	30	9.4	290	2.0

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	257	218	246	318	299	311	267	258	262	338	249	261
2	279	255	269	314	297	302	267	214	236	342	236	269
3	283	277	280	300	287	294	232	217	221	242	235	238
4	291	277	284	292	280	286	251	234	245	259	243	252
5	293	279	284	292	277	282	261	248	256	258	249	253
6	291	285	287	291	282	286	269	253	261	260	246	253
7	287	276	281	294	280	286	284	262	274	332	243	259
8	292	278	283	298	291	294	273	141	196	332	245	262
9	296	284	290	298	285	289	209	160	191	247	190	219
10	297	288	292	293	283	289	232	209	219	227	190	208
11	302	290	295	289	271	278	262	233	241	240	228	234
12	302	286	296	279	268	276	265	240	252	245	234	240
13	305	287	295	273	247	261	297	246	253	237	224	233
14	288	276	282	263	253	257	292	250	262	340	231	276
15	291	277	284	272	261	267	269	255	262	277	254	265
16	298	237	263	280	264	271	284	148	218	269	256	262
17	237	216	224	277	272	274	184	148	165	268	256	261
18	252	229	242	273	262	266	221	186	206	266	224	252
19	281	252	267	285	266	272	233	222	228	301	220	242
20	281	274	278	283	274	278	237	234	235	296	219	243
21	281	270	274	284	268	275	243	238	240	266	246	259
22	284	273	---	277	270	275	241	234	237	273	255	261
23	---	---	---	276	265	269	241	233	237	303	259	282
24	295	285	---	274	266	268	250	237	243	268	262	265
25	300	288	293	274	262	266	243	237	240	279	252	258
26	296	283	289	275	261	267	243	231	238	273	221	238
27	298	286	291	274	270	272	245	237	240	242	228	233
28	296	283	286	278	265	271	249	238	---	248	242	245
29	294	277	283	274	270	272	---	---	---	259	244	248
30	297	285	292	272	257	263	---	---	---	284	259	270
31	315	288	297	---	---	---	266	252	---	286	277	280
MONTH	315	216	280	318	247	277	297	141	235	342	190	252

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	322	282	294	256	251	254	235	229	232	221	212	217
2	315	282	291	255	249	252	233	229	231	212	202	206
3	290	277	281	258	249	251	296	215	234	216	211	212
4	286	277	283	264	255	258	231	212	217	218	196	209
5	304	258	280	266	256	262	247	217	233	209	187	197
6	370	301	335	263	256	260	251	225	231	222	212	218
7	340	278	296	263	257	260	245	219	233	231	216	222
8	277	268	272	266	261	263	310	224	242	235	225	230
9	274	266	269	264	258	261	262	231	237	243	236	240
10	280	270	274	267	258	263	237	223	230	241	236	238
11	276	268	272	283	263	268	230	222	225	239	230	236
12	276	263	269	279	263	267	231	220	225	239	230	236
13	289	266	277	271	251	260	232	225	228	238	215	228
14	319	286	295	263	248	252	232	221	226	232	213	223
15	329	299	308	364	263	312	238	227	233	240	230	236
16	313	294	300	284	245	267	237	223	229	237	210	227
17	323	299	313	255	245	251	228	223	226	230	209	219
18	303	281	296	255	250	252	233	227	230	238	229	234
19	278	252	260	255	141	225	233	226	230	239	230	236
20	254	245	249	202	139	164	228	221	224	250	239	246
21	262	253	257	226	204	220	225	219	223	250	237	244
22	267	248	263	230	227	228	233	222	227	246	214	227
23	265	240	254	232	228	230	233	225	228	252	225	240
24	247	203	234	231	228	---	238	221	233	254	250	252
25	225	186	205	---	---	---	215	157	192	256	250	252
26	246	226	238	229	227	---	181	136	157	265	244	251
27	275	241	250	233	230	232	204	186	197	266	259	262
28	303	252	275	233	231	232	216	204	208	264	258	261
29	---	---	---	236	231	233	217	212	215	265	260	263
30	---	---	---	233	220	230	218	213	216	271	260	267
31	---	---	---	232	221	224	---	---	---	267	233	257
MONTH	370	186	275	364	139	248	310	136	223	271	187	235

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	223	221	---	232	223	227	252	246	250	280	270	274
2	198	178	---	242	232	236	253	248	250	282	266	270
3	212	199	206	243	233	239	253	250	252	276	267	270
4	216	201	206	241	227	234	253	238	249	296	276	283
5	215	204	210	235	231	233	253	236	243	292	274	284
6	---	---	---	239	232	236	253	244	250	286	280	282
7	---	---	---	238	233	236	262	253	258	282	272	278
8	---	---	---	246	236	242	260	249	254	282	272	277
9	257	254	---	248	241	244	264	256	260	279	268	274
10	261	255	258	245	237	242	262	257	260	285	276	280
11	261	257	259	256	237	245	264	254	259	287	274	280
12	260	204	232	256	244	---	262	256	259	285	278	282
13	205	170	190	---	---	---	264	258	261	281	220	241
14	255	209	232	---	---	---	266	259	262	270	238	262
15	277	239	254	---	---	---	261	254	257	277	266	272
16	259	246	252	---	---	---	263	248	256	290	272	279
17	247	221	235	213	210	---	251	232	240	294	285	291
18	236	220	226	220	213	216	255	244	249	297	285	292
19	238	232	235	223	217	219	260	257	258	289	280	283
20	237	229	232	230	220	225	264	260	---	284	256	269
21	262	231	248	---	---	---	---	---	---	284	166	201
22	300	245	286	---	---	---	---	---	---	241	208	229
23	300	235	246	---	---	---	---	---	---	244	188	210
24	250	235	242	240	233	---	---	---	---	209	187	199
25	278	231	248	---	---	---	---	---	---	218	184	199
26	300	228	247	---	---	---	280	266	---	235	221	226
27	240	222	230	---	---	---	273	266	269	242	228	232
28	240	180	206	---	---	---	277	270	273	252	237	246
29	200	160	184	---	---	---	283	276	280	262	252	256
30	220	197	209	252	249	---	292	275	281	266	261	262
31	---	---	---	253	247	250	285	277	280	---	---	---
MONTH	300	160	232	---	---	---	292	232	---	297	166	259

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.1	8.2	8.7	7.8	6.4	6.9	---	---	---	---	---	---
2	9.8	9.0	9.4	7.1	6.0	6.4	12.1	10.8	11.5	10.7	10.7	---
3	10.7	9.7	10.2	---	---	---	12.0	10.9	11.5	11.9	10.8	11.5
4	11.2	10.6	10.9	---	---	---	12.9	12.1	---	11.2	10.7	---
5	10.9	10.1	10.5	---	---	---	11.3	10.8	11.1	11.0	10.8	---
6	10.4	9.4	10.0	8.9	7.7	---	11.4	10.8	11.1	11.9	11.0	11.5
7	10.2	9.1	9.6	10.1	8.5	9.4	11.3	11.0	---	11.2	10.7	---
8	10.5	9.1	9.8	11.3	9.5	10.4	---	---	---	12.9	11.9	---
9	11.0	9.4	10.1	11.9	10.2	11.0	---	---	---	12.3	11.0	11.8
10	11.2	9.5	10.2	12.4	10.8	11.5	12.6	11.8	---	12.9	12.1	12.6
11	11.2	9.4	10.1	12.9	11.0	11.9	12.9	12.2	12.6	12.3	10.6	11.4
12	11.0	9.0	9.8	12.1	9.9	11.2	12.5	10.9	11.6	11.5	10.6	11.1
13	9.8	8.4	8.9	10.7	9.0	10.0	11.5	10.1	10.6	12.0	11.4	---
14	9.2	8.0	8.4	11.8	10.4	11.1	10.1	9.7	9.9	11.4	10.8	---
15	9.9	7.7	8.7	12.5	10.8	11.8	10.7	9.9	10.4	11.8	11.6	---
16	9.2	8.3	8.7	13.4	12.1	12.8	10.3	9.4	---	11.9	11.3	---
17	9.6	9.2	9.4	14.0	12.9	13.3	---	---	---	14.0	11.4	12.9
18	10.2	9.1	9.7	14.1	12.9	13.4	10.4	10.2	---	14.3	13.3	13.9
19	13.1	10.2	11.7	13.2	11.8	12.6	10.8	10.3	10.6	13.7	13.2	---
20	13.9	12.8	13.3	11.7	9.5	10.6	10.6	10.2	10.4	---	---	---
21	13.6	12.4	12.9	11.0	9.2	10.2	11.0	9.8	10.2	14.7	10.7	11.2
22	12.9	12.3	---	12.9	10.8	12.1	11.1	9.8	10.1	12.9	12.4	---
23	---	---	---	14.4	12.7	13.6	10.9	10.4	10.6	12.7	12.2	12.5
24	11.3	10.6	---	14.3	12.9	13.7	11.0	9.4	10.0	12.7	12.1	12.3
25	10.8	9.8	10.4	13.9	12.0	12.8	9.4	9.1	---	12.0	10.9	11.5
26	10.1	9.4	9.7	13.8	12.0	---	---	---	---	12.2	11.0	11.7
27	10.1	9.2	9.5	11.8	10.7	11.2	12.3	11.8	---	12.7	12.1	12.5
28	10.0	9.1	9.5	11.4	10.7	---	12.1	11.5	---	12.6	12.1	12.5
29	9.7	8.4	9.0	11.0	10.7	---	---	---	---	12.0	10.9	11.5
30	8.8	7.7	8.2	11.3	10.7	---	---	---	---	12.3	10.9	11.6
31	7.9	6.8	7.3	---	---	---	---	---	---	13.0	12.0	12.5
MONTH	13.9	6.8	9.8	14.4	6.0	---	---	---	---	14.7	10.6	---

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	12.3	11.7	12.0	12.1	10.4	11.6	10.6	9.2	10.0
2	---	---	---	13.0	11.9	12.4	11.4	10.0	10.6	11.4	10.4	10.8
3	10.8	10.7	---	12.8	12.7	---	11.7	9.7	10.5	11.6	9.8	10.5
4	11.7	10.8	---	---	---	---	14.3	11.8	13.5	9.9	8.7	9.4
5	12.0	11.1	11.5	13.3	12.3	---	15.6	13.9	14.9	10.5	10.0	10.2
6	11.9	10.8	11.2	12.5	11.4	12.2	14.5	13.2	14.0	11.0	9.7	10.3
7	13.5	11.9	12.9	11.8	10.8	11.3	14.4	12.3	13.6	10.3	9.4	9.8
8	13.3	12.7	13.0	11.6	10.3	11.0	14.0	11.7	12.9	10.7	8.5	9.7
9	14.4	13.1	13.9	13.7	11.4	12.8	13.5	11.4	12.4	9.7	8.6	---
10	13.8	12.9	13.4	13.5	12.8	13.4	13.5	11.3	12.3	---	---	---
11	12.8	12.2	---	13.3	11.9	12.8	14.2	11.7	12.8	---	---	---
12	12.9	12.6	---	11.8	11.0	11.4	13.5	11.2	12.3	---	---	---
13	---	---	---	11.4	10.5	10.8	13.5	11.1	12.3	---	---	---
14	11.0	10.8	---	11.9	10.5	11.1	14.7	11.3	13.0	---	---	---
15	---	---	---	12.6	11.7	12.2	12.8	10.8	11.9	---	---	---
16	---	---	---	12.4	11.4	11.9	13.7	11.5	12.5	---	---	---
17	11.9	11.0	11.5	11.8	10.8	11.3	13.2	10.6	11.7	---	---	---
18	11.1	10.5	10.8	11.5	10.5	---	12.5	9.7	11.1	---	---	---
19	11.9	10.8	11.5	---	---	---	11.4	9.5	10.5	---	---	---
20	13.0	11.9	12.5	---	---	---	12.7	9.6	11.1	---	---	---
21	13.5	12.4	13.0	11.2	10.5	---	13.7	10.6	12.0	---	---	---
22	13.4	12.1	12.8	10.7	10.1	10.5	14.3	10.7	12.4	---	---	---
23	11.9	10.2	11.1	10.6	10.0	10.3	14.0	10.5	11.9	---	---	---
24	10.3	9.7	10.2	10.5	10.1	---	11.1	9.2	10.2	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	12.1	10.9	11.5	---	---	---	---	---	---
27	---	---	---	13.6	12.2	12.9	---	---	---	---	---	---
28	12.6	11.9	---	13.6	12.5	13.1	11.3	10.3	---	9.4	7.6	---
29	---	---	---	12.5	11.3	12.1	11.2	9.9	10.5	9.4	7.9	8.5
30	---	---	---	11.3	10.7	11.0	11.8	10.0	10.9	8.4	7.9	---
31	---	---	---	12.8	11.2	12.1	---	---	---	---	---	---
MONTH	---	---	---	13.9	10.0	---	15.6	9.2	12.1	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.6	7.3	7.4	9.2	8.2	8.7	9.4	9.1	9.3
2	9.3	8.0	---	7.5	6.8	7.2	8.6	7.8	8.2	9.4	8.6	9.1
3	8.3	7.5	7.9	6.8	6.4	6.7	8.3	7.3	7.8	9.3	8.7	9.0
4	7.8	7.5	7.6	6.6	6.3	6.5	8.0	7.1	7.6	9.5	9.1	9.3
5	7.7	7.1	7.4	6.3	6.0	6.2	7.7	7.0	7.3	9.7	8.7	9.2
6	7.6	7.2	7.4	6.0	5.8	5.9	7.8	7.1	7.3	9.0	8.6	8.8
7	8.4	7.4	7.8	6.1	5.7	5.9	9.0	7.9	8.4	9.2	8.8	9.0
8	9.1	8.2	8.7	5.9	5.4	5.6	9.3	8.2	8.8	9.3	8.6	9.0
9	9.3	8.3	---	5.4	4.9	5.1	8.3	7.7	8.0	9.0	8.4	8.7
10	---	---	---	5.7	4.7	5.1	8.2	7.8	8.0	9.9	8.6	9.1
11	11.7	11.1	---	5.8	5.3	5.5	7.8	7.3	7.6	9.6	9.1	9.4
12	11.9	11.2	11.5	---	---	---	7.5	6.9	7.3	9.2	8.2	8.7
13	11.7	11.1	11.4	---	---	---	7.7	7.0	7.4	9.4	8.6	9.0
14	11.7	11.0	11.4	---	---	---	7.7	7.1	7.4	10.4	9.5	9.9
15	11.2	10.6	10.8	---	---	---	7.4	7.1	7.2	10.5	9.8	10.1
16	10.9	10.1	10.5	---	---	---	7.8	7.2	7.5	10.2	9.1	9.7
17	10.4	10.0	10.2	---	---	---	8.0	7.8	7.9	9.4	8.3	8.8
18	10.1	8.7	9.4	---	---	---	8.1	7.2	7.6	8.7	8.3	8.5
19	8.8	7.8	8.2	---	---	---	7.7	7.1	7.4	8.4	7.9	8.1
20	7.6	7.2	7.4	---	---	---	7.6	7.2	7.4	7.9	7.2	7.6
21	7.4	6.8	7.1	---	---	---	8.2	7.5	7.9	7.8	7.2	7.5
22	7.7	7.0	7.4	---	---	---	7.8	7.3	7.6	8.4	7.9	8.1
23	9.6	6.8	8.3	---	---	---	7.8	7.3	7.5	8.8	8.2	8.7
24	9.5	8.1	8.7	7.9	7.7	---	7.8	7.4	7.6	8.9	8.8	8.8
25	8.2	7.1	7.6	8.1	7.8	7.9	7.6	7.2	---	9.2	8.8	9.0
26	7.6	6.4	7.1	8.5	7.9	8.2	7.8	7.3	---	9.0	7.8	8.4
27	8.0	7.3	7.7	8.7	8.0	---	7.7	7.2	7.4	8.2	7.8	8.0
28	8.2	7.2	7.7	---	---	---	8.0	7.5	7.8	8.8	8.2	8.5
29	8.0	7.0	7.5	---	---	---	8.4	7.9	8.1	9.5	8.7	9.0
30	7.6	7.2	7.4	9.8	9.1	---	8.3	8.1	8.2	9.5	8.6	9.0
31	---	---	---	10.1	8.7	9.4	9.1	8.2	8.6	---	---	---
MONTH	11.9	6.4	8.6	---	---	---	9.3	6.9	7.8	10.5	7.2	8.8

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.4	7.4	7.8	7.7	7.8	7.8	7.5	7.6	7.1	7.0	7.1
2	7.6	7.5	7.5	7.8	7.7	7.7	7.5	7.4	7.5	7.3	7.1	7.2
3	7.6	7.5	7.6	7.8	7.6	7.7	7.6	7.5	7.5	7.2	7.1	7.1
4	7.6	7.5	7.5	7.7	7.5	7.6	7.6	6.7	7.2	7.2	7.1	7.2
5	7.6	7.4	7.5	7.7	7.5	7.6	7.3	7.1	7.2	7.4	7.2	7.3
6	7.7	7.5	7.6	7.7	6.7	7.1	7.3	7.2	7.2	7.3	7.2	7.2
7	7.6	7.1	7.5	6.8	6.6	6.7	7.4	7.2	---	7.2	7.1	7.2
8	7.5	7.1	7.3	6.9	6.7	6.8	---	---	---	7.3	7.1	7.2
9	7.3	7.0	7.2	7.0	6.8	6.9	---	---	---	7.2	7.1	7.2
10	7.6	7.1	7.3	7.1	6.7	6.9	6.9	6.8	---	7.2	7.1	7.1
11	7.7	7.3	7.5	7.2	6.7	7.0	7.0	6.9	6.9	7.6	6.8	7.2
12	7.7	7.4	7.6	7.6	7.0	---	7.0	7.0	7.0	7.2	7.1	7.2
13	7.8	7.4	7.6	7.7	7.5	---	7.0	6.9	7.0	7.2	7.2	7.2
14	7.8	7.3	7.6	7.7	7.3	7.5	7.0	6.9	6.9	7.3	7.2	7.2
15	8.0	7.3	7.7	7.6	7.5	7.6	6.9	6.9	6.9	7.4	7.3	7.3
16	8.2	7.7	7.9	7.6	7.5	7.6	6.9	6.5	6.7	7.4	7.3	7.3
17	7.6	7.1	7.4	7.6	7.5	7.6	6.7	6.5	6.6	7.4	6.8	7.2
18	7.6	7.2	7.3	7.7	7.5	7.6	6.8	6.6	6.7	7.0	6.8	6.9
19	7.3	7.2	7.2	7.7	7.5	7.6	6.8	6.7	6.7	6.9	6.7	6.8
20	8.0	7.2	7.5	7.7	7.6	7.7	7.5	6.8	7.2	6.9	6.8	6.8
21	8.3	7.5	7.8	7.8	7.4	7.6	7.6	7.4	7.5	6.8	6.8	6.8
22	8.6	7.9	---	7.9	7.7	7.8	7.6	7.4	7.5	6.9	6.8	6.8
23	---	---	---	7.9	7.7	7.8	7.5	7.3	7.4	6.9	6.9	6.9
24	7.7	6.6	---	7.9	7.7	7.8	7.6	7.5	7.5	6.9	6.8	6.9
25	6.6	6.6	6.6	7.9	7.4	7.6	7.6	7.4	7.5	6.9	6.7	6.8
26	6.7	6.6	6.6	7.7	7.4	7.6	7.4	7.2	7.3	6.8	6.7	6.8
27	6.8	6.6	6.7	7.7	7.5	7.6	7.3	7.1	7.2	6.9	6.7	6.8
28	6.9	6.6	6.7	7.8	7.5	7.7	7.3	7.2	---	7.2	6.9	6.9
29	7.2	6.8	7.0	7.8	7.6	7.7	---	---	---	7.4	6.9	7.0
30	8.0	7.2	7.7	7.8	7.5	7.7	---	---	---	7.1	6.9	7.0
31	8.2	7.8	7.9	---	---	---	7.2	7.1	---	7.1	7.0	7.0
MONTH	8.6	6.6	7.4	7.9	6.6	7.5	7.8	6.5	---	7.6	6.7	7.1

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	7.0	7.1	7.4	7.2	7.3	8.3	8.1	8.2	7.6	7.2	7.3
2	7.2	7.0	7.1	7.5	7.2	7.3	8.6	8.1	8.3	7.6	7.1	7.3
3	7.2	7.0	7.1	7.6	7.3	7.4	8.3	7.8	7.9	8.1	7.1	7.5
4	7.2	7.1	7.1	7.7	7.5	7.5	8.0	7.8	7.9	7.5	7.0	7.2
5	7.4	7.0	7.2	7.6	7.1	7.4	8.5	7.8	8.0	7.4	7.1	7.2
6	7.5	7.2	7.3	7.5	7.2	7.3	8.4	6.9	8.0	7.5	7.1	7.3
7	7.7	7.3	7.4	7.4	7.2	7.3	8.5	7.8	8.1	7.5	7.1	7.3
8	7.5	7.3	7.4	7.7	7.2	7.4	9.5	7.8	8.5	7.9	7.1	7.4
9	7.5	7.3	7.4	7.7	7.4	7.6	9.8	8.4	9.1	8.0	7.2	7.6
10	7.5	7.3	7.4	7.6	7.3	7.4	9.3	7.6	8.5	7.6	7.2	---
11	7.5	7.3	7.4	7.8	7.3	7.5	8.3	7.1	7.7	---	---	---
12	7.4	7.1	7.3	7.6	7.2	7.4	8.4	7.1	7.8	---	---	---
13	7.5	7.2	7.4	8.4	7.2	7.7	8.5	7.2	7.9	---	---	---
14	7.5	7.3	7.4	8.2	7.2	7.5	8.9	7.3	8.2	---	---	---
15	7.5	7.3	7.4	7.7	7.2	7.4	8.7	7.6	8.0	---	---	---
16	7.6	7.2	7.4	7.6	7.2	7.4	8.8	7.4	8.1	---	---	---
17	7.5	7.2	7.4	8.4	7.2	7.7	9.7	7.8	---	---	---	---
18	7.3	7.1	7.2	8.5	7.3	7.9	---	---	---	---	---	---
19	7.3	6.9	7.1	8.3	7.0	7.6	---	---	---	7.7	7.1	---
20	7.3	7.1	7.2	7.6	7.3	7.4	---	---	---	7.8	7.0	7.3
21	7.5	7.2	7.3	7.9	7.6	7.8	---	---	---	7.4	7.0	7.2
22	7.5	7.2	7.3	7.9	7.7	7.8	---	---	---	7.0	6.7	6.9
23	7.4	7.0	7.1	8.0	7.0	7.9	---	---	---	7.5	7.0	7.1
24	7.0	6.8	6.9	7.9	7.4	---	---	---	---	7.5	7.1	7.2
25	7.0	6.8	6.9	---	---	---	7.9	7.1	7.7	7.2	6.8	7.0
26	7.1	7.0	7.1	8.2	7.8	---	7.6	7.4	7.4	7.3	6.7	7.0
27	7.2	7.0	7.1	8.1	8.0	8.1	7.8	7.5	7.6	7.7	7.0	7.2
28	7.4	7.1	7.2	8.1	8.0	8.0	7.6	7.2	7.4	7.8	7.1	7.4
29	---	---	---	8.3	7.8	8.0	7.3	7.0	7.2	7.9	7.2	7.5
30	---	---	---	8.3	8.2	8.2	8.2	7.0	7.4	7.5	7.1	7.2
31	---	---	---	8.4	8.2	8.3	---	---	---	7.1	6.9	7.0
MONTH	7.7	6.8	7.2	8.5	7.0	7.6	---	---	---	---	---	---

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.6	---	7.5	7.1	7.4	9.0	7.5	8.2	7.7	7.3	7.4
2	6.7	6.4	---	7.5	7.3	7.4	9.1	7.5	8.2	7.8	7.3	7.5
3	6.9	6.7	6.8	7.5	7.3	7.4	9.1	7.5	8.3	7.9	7.4	7.6
4	6.9	6.7	6.8	7.5	7.4	7.4	9.3	7.5	8.4	7.7	7.3	7.5
5	6.9	6.3	6.7	7.7	7.4	7.5	8.3	7.4	7.8	7.9	7.3	7.6
6	6.6	6.2	6.4	7.7	7.5	7.6	7.6	7.4	7.5	7.6	7.2	7.4
7	6.9	6.6	6.8	7.8	7.3	7.5	7.8	7.4	7.6	7.7	7.2	7.4
8	7.0	6.9	6.9	7.9	7.3	7.6	8.1	7.4	7.7	7.8	7.2	7.5
9	7.0	6.9	7.0	7.7	7.3	7.5	8.3	7.4	7.8	8.0	7.3	7.6
10	7.4	6.8	7.2	7.5	7.2	7.3	8.5	7.5	7.9	8.2	7.3	7.7
11	7.7	7.3	7.5	7.6	7.0	7.2	8.5	7.4	7.8	8.2	7.4	7.8
12	7.4	7.0	7.2	7.5	7.1	7.3	8.6	7.5	7.9	8.4	7.7	8.0
13	7.2	6.9	7.1	7.3	6.5	6.7	8.5	7.3	7.9	7.6	7.2	7.3
14	7.5	7.1	7.3	6.7	6.2	6.4	8.0	7.5	7.7	7.6	7.3	7.4
15	7.5	7.3	7.4	6.8	6.4	6.6	8.2	7.5	7.8	7.8	7.4	7.6
16	7.6	7.4	7.4	7.0	6.7	6.9	8.3	7.9	8.1	7.8	7.5	7.6
17	7.8	7.2	7.6	7.5	7.0	7.1	8.7	8.1	8.4	8.1	7.5	7.8
18	7.7	7.3	7.5	7.2	7.0	7.1	8.7	7.8	8.3	8.1	7.6	7.8
19	7.6	7.3	7.4	7.1	7.0	7.1	8.2	7.4	7.8	8.0	7.4	7.6
20	7.5	7.2	7.3	7.1	7.0	7.1	7.8	6.9	7.3	7.7	7.2	7.4
21	7.6	7.2	7.4	7.0	6.7	---	7.3	6.8	7.0	7.5	6.9	7.1
22	7.7	7.3	7.4	7.2	7.0	7.1	7.3	6.9	7.0	7.4	7.1	7.3
23	7.9	7.2	7.5	7.3	7.1	7.1	7.5	6.9	7.1	7.4	7.0	7.1
24	8.2	7.3	7.6	7.4	7.1	7.3	7.1	6.8	6.9	7.1	6.9	7.0
25	7.8	7.1	7.4	7.4	6.9	7.1	7.3	6.8	7.0	7.0	6.7	6.9
26	7.5	7.1	7.3	7.5	7.2	7.3	7.9	6.8	7.3	7.3	6.8	7.0
27	7.3	7.2	7.3	7.5	7.3	7.4	7.9	7.3	7.6	7.3	7.1	7.2
28	7.4	7.2	7.3	7.7	7.3	7.4	7.9	7.3	7.6	7.2	7.1	7.2
29	7.5	7.2	7.4	7.9	7.3	7.5	8.8	7.3	7.6	7.3	7.1	7.2
30	7.5	7.2	7.4	8.5	7.3	7.8	7.7	7.3	7.5	7.3	7.2	7.2
31	---	---	---	8.7	7.5	8.0	7.5	7.3	7.4	---	---	---
MONTH	8.2	6.2	7.2	8.7	6.2	7.3	9.3	6.8	7.7	8.4	6.7	7.4

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.5	14.0	15.0	15.5	13.5	14.5	4.5	2.0	3.0	4.5	3.0	4.0
2	14.0	11.5	13.0	15.5	14.5	15.0	6.5	4.5	5.5	4.5	3.0	3.5
3	11.5	9.5	10.5	16.0	15.0	15.5	6.0	5.0	5.5	3.0	1.5	1.5
4	10.0	8.0	9.5	17.0	15.5	16.0	5.0	2.0	3.5	4.0	2.0	3.0
5	11.5	8.5	10.0	16.5	15.5	16.0	2.0	1.5	2.0	4.5	3.0	3.5
6	15.0	11.0	13.0	15.5	13.5	14.5	3.0	1.0	2.0	3.0	1.5	2.5
7	15.0	14.0	14.0	13.5	11.0	12.0	4.0	1.0	2.5	4.5	3.0	3.5
8	14.0	11.5	13.0	11.0	10.0	10.5	9.5	4.5	8.0	4.5	3.0	3.5
9	13.5	11.0	12.5	10.5	9.0	9.5	9.0	5.5	7.0	7.0	4.5	6.0
10	13.5	11.0	12.5	10.0	8.0	9.0	5.0	3.5	4.0	6.5	5.5	5.5
11	14.0	11.0	13.0	9.0	7.0	8.0	4.0	3.0	3.5	10.0	6.0	8.5
12	14.5	12.0	13.5	10.0	8.0	9.0	5.5	4.0	5.0	10.0	8.5	9.0
13	15.0	14.0	14.5	11.0	9.5	10.0	6.5	5.5	6.0	8.5	5.0	6.5
14	15.5	14.5	15.0	10.0	9.0	9.5	6.5	6.0	6.5	4.5	2.0	3.0
15	15.5	15.0	15.5	9.5	8.0	9.0	6.0	4.5	5.0	1.5	0.5	1.0
16	15.5	13.5	14.0	7.0	6.0	6.5	7.0	5.0	6.0	2.0	1.0	1.5
17	14.0	12.0	13.0	6.0	5.5	5.5	6.5	6.0	6.0	2.0	1.0	1.5
18	13.5	10.5	12.0	6.0	4.5	5.5	5.5	4.5	5.0	3.0	1.0	1.5
19	10.5	9.0	9.5	7.0	5.5	6.0	4.5	3.5	4.0	4.5	2.0	3.5
20	8.5	7.0	8.0	9.0	6.5	8.0	5.0	4.0	4.5	5.0	1.5	3.5
21	8.5	6.5	7.5	9.0	7.0	8.5	5.5	5.0	5.0	1.5	0.5	1.0
22	9.0	6.5	---	7.0	5.5	6.5	5.5	4.5	5.0	3.5	1.5	2.5
23	---	---	---	5.5	4.5	5.0	4.5	4.0	4.0	4.0	3.0	3.5
24	9.0	8.0	---	6.0	4.0	5.0	6.5	4.5	5.5	4.5	3.0	4.0
25	10.0	8.0	9.0	6.0	5.0	5.5	7.0	5.5	6.5	6.0	4.5	5.0
26	11.0	9.5	10.0	5.0	2.0	3.5	5.0	3.5	4.5	5.5	4.0	4.5
27	10.5	9.0	10.0	2.0	1.0	1.5	4.0	3.0	3.5	4.5	4.0	4.5
28	10.0	8.5	9.5	3.0	1.5	2.5	5.0	4.0	---	5.5	4.0	4.5
29	11.5	9.5	10.5	3.5	2.0	3.0	---	---	---	7.0	5.5	6.0
30	13.5	11.0	12.0	3.5	1.5	2.5	---	---	---	6.5	5.5	6.0
31	14.5	13.0	14.0	---	---	---	4.5	3.0	---	6.5	5.0	5.5
MONTH	16.5	6.5	12.0	17.0	1.0	8.5	9.5	1.0	5.0	10.0	0.5	4.0

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.0	4.0	4.0	6.0	5.0	5.5	11.5	7.0	9.5	15.0	11.5	13.5
2	4.5	3.5	4.0	5.5	4.5	5.0	12.0	10.0	11.0	13.0	11.0	12.0
3	4.0	2.0	3.5	4.5	3.0	3.5	11.5	8.0	10.5	15.5	11.5	13.5
4	3.0	1.5	2.0	4.0	1.5	3.0	7.0	4.0	5.0	15.5	12.0	14.0
5	3.0	1.0	2.0	6.0	3.0	4.5	5.5	3.0	4.5	13.5	11.5	12.5
6	5.0	3.5	4.0	8.0	5.0	6.5	8.0	4.0	5.5	14.0	11.5	13.0
7	5.5	4.0	5.0	8.5	7.0	8.0	8.0	5.0	6.5	15.5	13.0	14.0
8	4.0	2.0	3.0	9.0	7.0	8.5	9.5	6.5	8.0	17.0	13.5	15.5
9	3.5	2.0	3.0	7.0	4.0	5.5	10.5	8.0	9.5	16.5	14.0	15.0
10	2.0	1.0	1.5	5.0	4.0	4.5	10.0	8.5	9.5	16.0	13.5	14.5
11	3.0	1.5	2.0	6.5	4.5	5.5	10.0	7.0	8.5	16.0	13.5	15.0
12	3.0	0.5	2.0	7.0	5.5	6.5	10.5	8.5	9.5	16.0	14.0	15.5
13	1.5	0.0	1.0	9.5	7.0	8.0	10.5	8.5	9.5	16.0	15.0	15.5
14	1.5	0.0	1.0	9.0	5.0	6.5	10.5	8.0	9.5	17.0	14.5	15.5
15	2.0	0.5	1.5	6.5	4.5	5.5	10.5	9.0	9.5	19.5	16.0	18.0
16	5.0	3.0	4.0	6.5	5.5	6.0	11.0	8.5	9.5	19.0	18.0	18.5
17	5.5	4.5	5.0	9.5	6.5	8.0	14.0	10.0	12.0	19.0	16.5	18.0
18	6.0	5.0	5.5	9.0	6.5	8.0	13.5	11.5	12.5	18.5	17.0	17.5
19	6.5	5.5	6.0	10.5	9.0	9.5	14.0	12.0	13.5	19.5	16.0	18.0
20	5.5	4.5	5.0	10.5	9.5	10.0	13.5	11.5	12.5	21.0	18.0	19.5
21	5.5	4.0	5.0	9.5	8.0	9.0	12.0	10.0	11.0	21.5	19.5	20.5
22	6.5	4.5	5.5	10.5	9.0	9.5	13.0	9.5	11.5	22.0	20.0	21.0
23	8.5	6.0	7.0	10.0	9.0	---	14.0	10.5	12.5	23.5	21.0	22.0
24	9.0	8.5	8.5	---	---	---	14.5	13.5	14.0	24.0	21.0	22.5
25	8.5	8.0	8.5	---	---	---	15.0	11.5	14.0	23.0	18.0	20.0
26	7.0	6.0	6.5	9.0	8.0	---	14.5	11.5	13.5	18.0	16.5	17.0
27	6.0	5.0	5.5	8.0	5.5	6.5	14.0	11.5	13.0	21.0	17.0	19.5
28	6.0	4.5	5.5	7.0	5.5	6.5	13.5	11.0	12.0	21.0	18.5	20.0
29	---	---	---	10.0	7.0	8.0	12.0	11.5	11.5	20.5	18.0	19.5
30	---	---	---	10.5	9.5	10.0	15.0	11.0	13.0	19.5	18.5	19.0
31	---	---	---	9.0	6.5	8.0	---	---	---	19.5	18.0	19.0
MONTH	9.0	0.0	4.0	10.5	1.5	7.0	15.0	3.0	10.5	24.0	11.0	17.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.5	19.0	19.5	21.0	19.0	20.0	23.5	20.5	22.0	16.0	15.5	16.0
2	20.5	18.0	19.5	22.0	19.0	20.5	24.0	21.5	23.0	17.0	15.5	16.0
3	20.5	19.0	20.0	23.0	20.0	21.5	24.5	22.0	23.5	18.0	16.0	17.0
4	20.5	18.5	19.5	21.5	20.0	21.0	24.5	23.0	23.5	16.5	16.0	16.5
5	19.5	17.0	18.5	22.0	20.0	21.0	24.0	21.5	23.0	18.0	15.5	16.5
6	19.0	16.5	18.0	21.0	20.0	21.0	23.0	19.5	21.5	18.0	16.5	17.5
7	19.0	17.0	18.0	22.0	20.0	21.0	19.5	18.0	18.5	17.0	16.5	16.5
8	17.0	15.5	16.5	23.0	21.0	22.0	19.0	16.0	17.5	18.0	16.0	17.0
9	20.5	15.0	16.0	23.0	21.0	21.5	20.5	18.0	19.5	18.0	16.5	17.0
10	16.5	14.5	15.5	23.0	20.5	21.5	20.0	18.5	19.5	16.5	15.0	15.5
11	16.0	14.5	15.5	23.0	21.0	21.5	21.0	19.5	20.0	15.5	14.0	15.0
12	15.5	14.5	15.0	22.0	21.0	21.5	22.0	19.5	21.0	17.0	15.0	16.0
13	18.0	15.0	16.0	21.5	20.0	20.5	22.0	20.5	21.5	16.0	14.5	15.5
14	18.5	16.0	17.0	21.5	20.0	21.0	22.0	20.5	21.5	14.5	12.0	13.5
15	19.0	16.5	18.0	21.5	20.5	21.0	21.5	20.5	21.0	13.0	11.5	12.0
16	19.0	18.0	18.5	21.5	20.0	20.5	21.5	19.5	20.5	13.0	11.5	12.5
17	19.0	17.0	17.5	22.0	20.5	21.5	19.5	19.0	19.0	15.5	12.0	14.0
18	23.5	19.0	21.0	23.5	21.0	22.0	21.0	18.5	19.5	15.5	15.0	15.5
19	24.5	21.5	23.0	23.0	21.5	22.0	21.0	19.5	20.5	16.5	15.5	16.0
20	24.0	22.0	23.0	23.0	21.5	22.5	21.5	19.5	20.5	18.0	16.0	17.0
21	23.0	21.0	22.0	24.0	21.5	22.5	21.0	19.5	20.0	18.0	16.5	17.0
22	22.0	20.0	21.0	23.5	21.5	22.5	21.5	20.0	21.0	16.0	15.0	15.5
23	23.5	20.0	21.5	23.0	20.5	22.0	21.5	20.0	21.0	15.5	14.5	14.5
24	24.5	21.5	23.0	23.5	21.0	22.0	21.0	20.0	20.5	14.5	14.0	14.5
25	24.5	22.0	23.5	23.0	21.0	22.0	23.0	20.5	21.5	15.0	14.0	14.5
26	23.5	20.0	21.5	21.0	19.5	20.5	22.0	20.5	21.5	18.0	15.0	16.5
27	20.0	18.5	19.5	21.0	19.0	20.0	21.5	20.5	21.0	18.0	17.0	17.5
28	20.5	19.5	20.0	22.0	19.5	20.5	20.5	19.5	20.0	17.0	15.5	16.0
29	21.5	20.5	21.0	23.0	20.0	21.5	19.5	18.0	19.0	16.0	14.5	15.5
30	21.5	20.5	21.0	21.5	20.0	21.0	19.0	18.5	19.0	16.0	14.5	15.5
31	---	---	---	22.0	19.5	21.0	18.5	16.0	17.5	---	---	---
MONTH	24.5	14.5	19.5	24.0	19.0	21.5	24.5	16.0	20.5	18.0	11.5	15.5

DELAWARE RIVER BASIN

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	223	25	15	161	6	2.6	161	6	2.6
2	201	16	8.7	160	9	3.9	502	80	108
3	193	20	10	189	9	4.6	342	30	28
4	176	19	9.0	169	12	5.5	239	8	5.2
5	172	16	7.4	168	14	6.4	203	5	2.7
6	168	17	7.7	164	10	4.4	192	4	2.1
7	164	20	8.9	164	10	4.4	191	3	1.5
8	156	15	6.3	155	8	3.3	2310	635	5400
9	151	11	4.5	154	5	2.1	1140	175	539
10	156	13	5.5	153	4	1.7	478	35	45
11	144	16	6.2	151	6	2.4	395	15	16
12	147	14	5.6	178	10	4.8	356	9	8.7
13	147	11	4.4	327	20	18	340	12	11
14	147	15	6.0	210	7	4.0	329	8	7.1
15	147	17	6.7	194	7	3.7	310	7	5.9
16	555	80	120	185	9	4.5	1250	190	850
17	463	40	50	177	6	2.9	1290	120	418
18	254	21	14	168	9	4.1	504	28	38
19	210	16	9.1	169	8	3.7	427	12	14
20	197	23	12	172	8	3.7	396	12	13
21	188	20	10	203	7	3.8	371	9	9.0
22	176	16	7.6	194	5	2.6	353	8	7.6
23	180	14	6.8	173	6	2.8	330	5	4.5
24	197	12	6.4	172	9	4.2	324	9	7.9
25	170	12	5.5	172	5	2.3	321	8	6.9
26	171	13	6.0	185	9	4.5	308	8	6.7
27	169	14	6.4	165	6	2.7	295	6	4.8
28	162	13	5.7	172	5	2.3	291	6	4.7
29	162	10	4.4	162	8	3.5	280	4	3.0
30	158	8	3.4	156	10	4.2	283	5	3.8
31	182	8	3.9	---	---	---	279	5	3.8
MONTH	6086	---	383.1	5322	---	123.6	14790	---	7578.5

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	392	10	11	475	6	7.7	568	12	18
2	409	12	13	463	6	7.5	534	9	13
3	323	7	6.1	446	6	7.2	507	5	6.8
4	311	6	5.0	434	6	7.0	476	4	5.1
5	295	6	4.8	480	5	6.5	462	6	7.5
6	281	5	3.8	519	13	18	457	4	4.9
7	467	18	23	551	19	28	456	3	3.7
8	391	13	14	480	9	12	464	4	5.0
9	951	98	250	458	4	4.9	427	3	3.5
10	531	52	75	426	3	3.5	423	3	3.4
11	474	25	32	426	4	4.6	440	5	5.9
12	443	20	24	442	4	4.8	478	9	12
13	571	25	39	438	5	5.9	555	13	19
14	610	28	46	410	6	6.6	550	14	21
15	520	13	18	410	6	6.6	613	10	17
16	460	6	7.5	426	3	3.5	619	6	10
17	390	7	7.4	475	8	10	537	3	4.4
18	583	40	63	754	28	57	504	4	5.4
19	800	60	130	787	20	42	1760	180	2000
20	1840	70	197	636	10	17	4730	380	6100
21	578	22	34	519	6	8.4	1190	38	122
22	523	13	18	480	5	6.6	956	24	62
23	501	11	15	803	85	180	873	15	35
24	493	11	15	1340	190	800	944	42	107
25	661	18	32	1910	330	1900	1180	80	255
26	924	75	187	806	68	148	820	27	60
27	569	24	37	663	25	45	714	12	23
28	519	17	24	601	14	23	689	11	20
29	519	13	18	---	---	---	680	6	11
30	506	12	16	---	---	---	869	25	59
31	484	8	10	---	---	---	734	15	30
MONTH	16519	---	1375.6	17066	---	3371.3	25209	---	9049.6

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	637	6	10	765	7	14	2390	420	3210
2	601	10	16	826	18	40	795	110	236
3	721	18	35	681	9	17	618	35	58
4	661	25	45	1080	50	130	532	9	13
5	514	16	22	1000	30	81	829	100	224
6	503	7	9.5	776	11	23	1890	760	4000
7	492	9	12	871	13	31	730	90	177
8	480	5	6.5	691	5	9.3	580	45	70
9	476	6	7.7	631	2	3.4	526	29	41
10	485	5	6.5	617	4	6.7	494	35	47
11	481	1	1.3	593	7	11	475	30	38
12	473	1	1.3	583	5	7.9	1320	160	600
13	462	1	1.2	877	27	64	2470	450	3400
14	451	2	2.4	671	15	27	913	80	197
15	457	2	2.5	593	5	8.0	682	40	74
16	507	1	1.4	954	40	103	633	35	60
17	466	1	1.3	717	30	58	717	55	106
18	451	2	2.4	612	12	20	591	35	56
19	458	2	2.5	593	20	32	548	20	30
20	450	6	7.3	555	15	22	595	28	45
21	425	5	5.7	612	17	28	501	30	41
22	412	2	2.2	820	30	66	475	16	21
23	405	3	3.3	597	40	64	461	18	22
24	491	11	15	555	20	30	469	21	27
25	1430	170	690	532	15	22	498	34	46
26	2670	250	2200	537	21	30	553	33	49
27	954	25	64	510	20	28	525	32	45
28	776	7	15	480	16	21	1270	350	1200
29	712	10	19	467	15	19	1220	290	1000
30	666	6	11	463	16	20	679	60	110
31	---	---	---	578	20	31	---	---	---
MONTH	19167	---	3219.0	20845	---	1067.3	24979	---	15243

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	514	39	54	486	4	5.2	276	8	6.0
2	468	31	39	476	5	6.4	272	8	5.9
3	456	22	27	456	5	6.2	263	8	5.7
4	523	30	42	453	12	15	254	7	4.8
5	450	20	24	609	18	30	250	8	5.4
6	434	11	13	484	11	14	250	6	4.1
7	422	5	5.7	492	9	12	254	8	5.5
8	415	5	5.6	452	10	12	250	7	4.7
9	410	10	11	432	8	9.3	241	7	4.6
10	460	12	15	419	8	9.1	232	11	6.9
11	419	12	14	416	7	7.9	227	6	3.7
12	401	10	11	411	11	12	304	25	21
13	2840	440	3900	399	13	14	426	60	69
14	7640	400	8500	445	10	12	263	11	7.8
15	4240	240	2800	393	9	9.6	241	6	3.9
16	1980	125	668	523	25	35	236	5	3.2
17	1260	35	119	458	17	21	241	6	3.9
18	1040	24	67	410	11	12	232	8	5.0
19	909	16	39	380	20	21	332	11	9.9
20	932	30	170	380	12	12	286	9	7.0
21	2460	280	3000	351	12	11	1000	250	750
22	874	33	78	347	13	12	429	30	35
23	784	35	74	332	13	12	1750	240	1300
24	715	40	77	323	12	10	2640	290	2200
25	1230	100	400	323	12	10	1770	135	645
26	725	35	69	323	13	11	1070	50	144
27	632	15	26	295	14	11	877	42	99
28	568	17	26	286	10	7.7	557	20	30
29	540	18	26	276	10	7.5	478	15	19
30	513	13	18	276	7	5.2	443	16	19
31	499	14	19	276	9	6.7	---	---	---
MONTH	35753	---	20337.3	12382	---	379.8	16344	---	5429.0
YEAR	214462		67557.1						

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA.--Continued

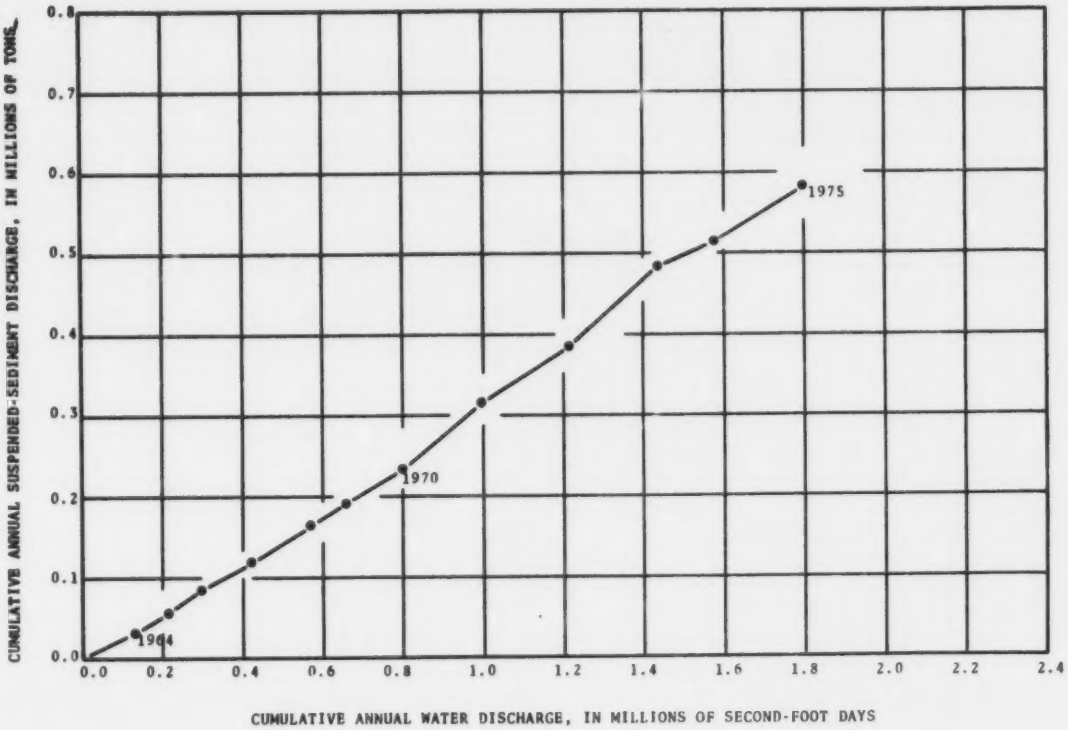

Figure 7.--Double mass accumulation of annual suspended sediment discharge versus annual water discharge, Brandywine Creek at Chadds Ford, Pa.

Table 8.--Suspended sediment concentration-duration table, Brandywine Creek at Chadds Ford

Period	Mean daily concentration, in milligrams per litre, that was equaled or exceeded for indicated percentage of time													
	1	2	5	10	20	30	40	50	60	70	80	90	95	99
1975	430	355	185	73	31	21	16	13	10	8	6	5	3	1
1964-75	470	305	110	47	26	19	15	12	9	8	6	4	3	1

01481500 BRANDYWINE CREEK AT WILMINGTON, DEL.

LOCATION.--Lat 39°46'09", long 75°34'25", New Castle County, at gaging station on right bank in Rockford Park, 0.2 mi (0.3 km) downstream from Henry Clay Bridge, in Wilmington, and 4.2 mi (6.8 km) upstream from mouth. Sediment samples are collected at the Henry Clay Bridge.

DRAINAGE AREA.--314 mi^2 (813 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1947 to September 1950, November 1951 to September 1952, October 1956 to September 1961, October 1961 to September 1962 (partial-record station), October 1963 to September 1972, February 1974 to September 1975.
Water temperatures: November 1956 to September 1961, October 1970 to September 1973.
Sediment records: December 1946 to September 1961, July 1962 to September 1975.

EXTREMES.--1974-75:
Sediment concentrations: Maximum daily, 780 mg/l June 6; minimum daily, 1 mg/l April 12, 14.
Sediment discharges: Maximum daily, 9,000 tons (8,160 t) March 20, minimum daily, 1.4 tons (1.3 t) April 14.

Period of record:
Sediment concentrations: Maximum daily, 1,700 mg/l Feb. 14, 1966; minimum daily, 1 mg/l on many days.
Sediment discharges: Maximum daily, 35,700 tons (32,400 t) Feb. 14, 1971; minimum daily, less than 0.50 tons (0.45 t) on many days.

REMARKS.--Streamflow records for water year 1973 available in the Maryland and Delaware State Annual Report, Part 1. Unpublished chemical-quality data and specific conductance, pH, and temperature of sediment samples available in the district office at Parkville, Md. Sediment data from 01481000 Brandywine Creek at Chadds Ford, Pa., are used in computation of sediment records.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT.						
01...	0945	209	210	7.8	10.4	10.4
NOV.						
05...	1130	194	244	7.8	16.0	9.3
DEC.						
03...	1350	389	198	7.5	4.5	12.0
JAN.						
02...	1120	512	207	6.4	3.0	12.7
FEB.						
03...	1045	470	230	7.0	2.0	14.1
MAR.						
03...	1625	614	205	7.0	3.5	13.7
APR.						
01...	1145	807	192	8.1	7.0	12.6
MAY						
02...	1420	883	99	7.8	11.0	11.7
JUNE						
05...	1400	652	153	7.8	19.0	10.0
JULY						
01...	1600	654	195	7.8	20.5	9.8
AUG.						
01...	1515	572	200	8.1	22.5	10.3
SEP.						
02...	1340	291	218	7.6	18.0	11.2

01481500 BRANDYINE CREEK AT WILMINGTON, DEL.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT. 01...	0945	11	800	80	15	6.4	9.5	4.3	55
JAN. 02...	1120	11	490	50	17	6.9	14	2.2	47
APR. 01...	1145	11	320	30	15	6.0	7.8	2.0	41
AUG. 01...	1515	10	350	30	16	6.5	8.5	2.2	53

DATE	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
OCT. 01...	45	20	16	.2	.48	.20	64	19	10
JAN. 02...	39	21	21	.1	2.6	.17	71	32	4
APR. 01...	34	21	14	.1	2.2	.09	62	29	3
AUG. 01...	43	19	11	.2	2.1	.08	67	23	1

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	245	20	13	172	10	4.6	182	8	3.9
2	218	15	8.8	172	12	5.6	865	120	280
3	298	12	6.7	206	9	5.0	455	40	49
4	190	11	5.6	192	9	4.7	285	25	19
5	186	11	5.5	188	11	5.6	244	14	9.2
6	183	12	5.9	189	12	6.1	228	10	6.2
7	179	13	6.3	182	10	4.9	223	12	7.2
8	172	13	6.0	176	11	5.2	2470	750	6890
9	168	10	4.5	174	11	5.2	1500	200	810
10	170	12	5.5	173	9	4.2	556	38	57
11	161	12	5.2	177	8	3.8	452	16	20
12	157	13	5.5	196	13	6.9	406	10	11
13	160	15	6.5	406	27	30	380	7	7.2
14	158	14	6.0	263	12	8.5	370	14	14
15	158	15	6.4	216	9	5.2	350	10	9.5
16	816	110	242	203	9	4.9	1860	250	2000
17	590	38	61	192	8	4.1	1720	200	929
18	389	16	13	187	6	3.0	631	36	61
19	246	10	6.6	183	6	3.0	517	14	20
20	223	8	4.8	186	7	3.5	466	12	15
21	212	9	5.2	226	8	4.9	433	12	14
22	190	10	5.1	219	7	4.1	411	10	11
23	189	10	5.1	194	7	3.7	384	9	9.3
24	189	9	4.6	188	8	4.1	375	11	11
25	184	11	5.5	197	10	5.3	371	10	10
26	182	13	6.4	203	12	6.6	359	13	13
27	180	10	4.9	189	10	5.1	341	12	11
28	175	12	5.7	188	7	3.6	336	14	13
29	175	9	4.3	184	6	3.0	324	10	8.7
30	171	8	3.7	176	6	2.9	324	9	7.9
31	195	9	4.7	---	---	---	322	10	8.7
MONTH	6939	---	480.0	5997	---	167.3	18140	---	11335.8

01481500 BRANDYWINE CREEK AT WILMINGTON, DEL.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	437	10	12	516	6	8.4	683	7	13
2	481	13	17	501	6	8.1	646	5	8.7
3	380	8	8.2	477	8	10	614	5	8.3
4	363	5	4.9	453	7	8.6	568	6	9.2
5	342	5	4.6	510	10	14	537	8	12
6	328	7	6.2	563	12	18	533	7	10
7	538	15	22	598	12	19	531	10	14
8	465	12	15	518	15	21	544	12	18
9	1110	85	300	485	13	17	492	11	15
10	661	63	112	449	9	11	484	11	14
11	553	10	27	440	8	9.5	506	9	12
12	528	10	14	461	10	12	547	8	12
13	628	20	34	453	8	9.8	693	14	26
14	691	25	47	415	7	7.8	685	13	24
15	502	8	11	423	6	6.9	795	14	30
16	473	7	8.9	440	5	5.9	768	9	19
17	439	10	12	489	7	9.2	663	6	11
18	687	50	82	733	23	46	622	5	8.4
19	966	65	170	767	14	29	1990	230	2760
20	1150	75	233	673	8	15	5310	550	9000
21	676	20	37	554	6	9.0	1490	75	302
22	606	12	20	513	8	11	1100	30	89
23	568	10	15	746	90	200	1020	10	28
24	559	9	14	1380	220	950	1110	19	57
25	677	20	37	2440	400	2800	1470	60	230
26	1070	70	202	893	60	145	1000	14	38
27	644	19	33	779	18	38	921	11	27
28	571	14	22	720	10	19	889	9	22
29	565	9	14	---	---	---	873	9	21
30	552	7	10	---	---	---	1010	12	33
31	526	8	11	---	---	---	936	10	25
MONTH	18656	---	1555.8	18389	---	4458.2	30030	---	12904.6

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	817	7	15	757	4	8.2	2890	535	4700
2	763	7	14	885	10	24	1020	130	358
3	866	15	35	719	5	9.7	740	30	60
4	865	29	68	1280	31	136	655	12	21
5	648	14	24	1150	35	109	1100	120	356
6	624	8	13	868	9	21	2610	780	5500
7	598	6	9.7	937	10	25	930	80	201
8	571	5	7.7	776	7	15	741	35	70
9	554	3	4.5	687	5	9.3	666	20	36
10	573	3	4.6	660	3	5.3	606	15	25
11	565	2	3.1	630	5	8.5	570	18	28
12	550	1	1.5	613	5	8.3	1890	120	725
13	528	2	2.9	1010	30	75	3280	470	4400
14	514	1	1.4	791	17	36	1220	100	329
15	516	2	2.8	651	7	12	919	40	99
16	610	5	8.2	1030	30	80	853	23	53
17	539	4	5.8	828	18	40	923	40	100
18	510	3	4.1	670	9	16	884	22	48
19	519	3	4.2	633	7	12	842	38	86
20	514	5	6.9	558	6	9.0	824	25	56
21	481	4	5.2	607	11	18	686	26	48
22	461	4	5.0	826	30	67	629	18	31
23	450	3	3.6	629	40	68	596	13	21
24	518	5	7.0	533	11	16	578	10	16
25	1760	180	1000	502	8	11	655	14	25
26	3230	325	3300	502	5	6.8	674	33	60
27	1030	35	97	481	7	9.1	678	33	60
28	856	5	12	446	8	9.6	1320	175	650
29	776	5	10	422	6	6.8	1610	400	1850
30	704	6	11	476	14	18	867	110	257
31	---	---	---	561	18	27	---	---	---
MONTH	22510	---	4687.2	22118	---	916.6	32376	---	20269

DELAWARE RIVER BASIN

01481500 BRANDYINE CREEK AT WILMINGTON, DEL.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY): WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	665	35	63	550	15	22	309	6	5.0
2	586	27	43	541	15	22	307	7	5.8
3	566	25	38	516	11	15	294	8	6.4
4	658	40	71	507	8	11	280	8	6.0
5	557	37	56	657	15	27	277	9	6.7
6	577	30	47	562	11	17	273	7	5.2
7	518	18	25	562	10	15	280	6	4.5
8	496	12	16	514	9	12	273	6	4.4
9	660	60	107	479	9	12	265	6	4.3
10	598	20	32	466	8	10	249	5	3.4
11	518	18	25	459	6	7.4	245	5	3.3
12	481	17	22	439	7	8.3	271	8	5.9
13	3490	635	6850	446	7	8.4	514	60	83
14	6570	475	8600	507	11	15	297	13	10
15	4790	270	3550	446	9	11	263	10	7.1
16	2280	150	923	562	18	27	257	7	4.9
17	1300	45	158	548	12	18	259	8	5.6
18	964	28	73	472	11	14	253	6	4.1
19	847	23	53	426	11	13	369	14	14
20	857	30	90	420	10	11	335	12	11
21	2920	330	4000	401	8	8.7	1020	230	700
22	875	38	90	389	9	9.5	492	35	46
23	792	22	47	371	10	10	2100	220	1400
24	741	16	32	365	10	9.9	3250	310	3000
25	1390	115	500	365	12	1[illegible]	2230	140	1000
26	764	37	76	359	12	12	1160	70	219
27	689	20	37	326	11	9.7	948	36	92
28	634	18	31	311	12	10	631	24	41
29	609	13	21	301	9	7.3	540	19	28
30	583	12	19	301	8	6.5	496	15	20
31	567	14	21	305	8	6.6	---	---	---
MONTH	38542	---	25716	13873	---	398.3	18737	---	6746.6
YEAR	246307		89635.4						

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	TEMPER-ATURE (DEG C)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM
DEC. 16...	1600	3270	5.0	272	2400	42	58
JULY 13...	0800	4320	--	1060	12400	32	46

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM
DEC. 16...	77	85	94	98	99	100	--
JULY 13...	62	84	93	97	98	99	100

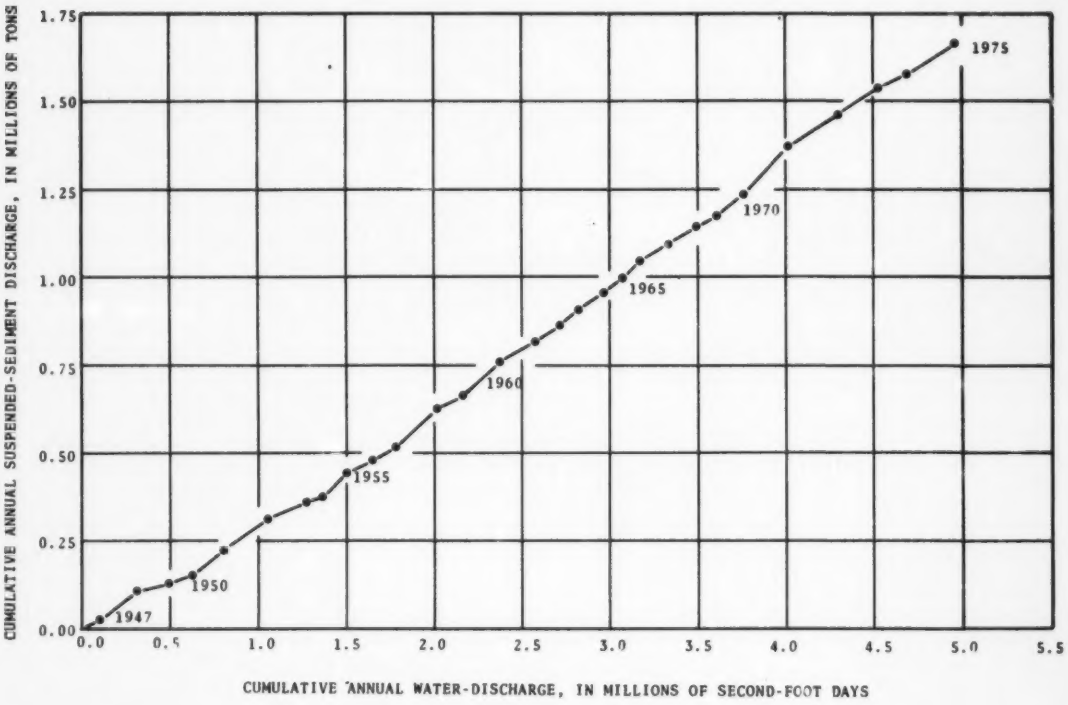

Figure 8.--Double mass accumulation of annual suspended sediment discharge versus annual water discharge, Brandywine Creek at Wilmington, Del.

Table 9.--Suspended sediment concentration-duration table, Brandywine Creek at Wilmington, Del.

Period	Mean daily concentration, in milligrams per litre, that was equaled or exceeded for indicated percentage of time													
	1	2	5	10	20	30	40	50	60	70	80	90	95	99
1975	560	395	205	74	31	18	14	12	10	8	7	6	5	2
1947-75*	465	290	130	58	26	19	15	12	10	8	6	4	3	2

*Excludes 1962-63.

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE, NEAR WILMINGTON, DEL.

LOCATION.--Lat 39°41'21", long 75°31'19", New Castle County, at tidal-gaging station located on channel side of west tower of south bridge between Pigeon Point, Del., and Deepwater Point, N.J.

DRAINAGE AREA.--11,030 mi^2 (28,600 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1955 to September 1975.
Water temperatures: October 1956 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 8,460 micromhos Nov. 12; minimum, 100 micromhos Aug. 13.
Dissolved oxygen: Maximum, 11.6 mg/l Mar. 10; minimum, 0.2 mg/l Nov. 4, June 2.
pH: Maximum, 7.8 May 15; minimum, 6.1 Jan. 13, 17.
Water temperatures: Maximum, 29.5°C Aug. 3; minimum, 3.0°C Feb. 13-17.

Period of record:
Specific conductance (1963-75): Maximum, 12,700 micromhos Nov. 13, 1966; minimum, 100 micromhos on many days.
Dissolved oxygen (1962-75): Maximum, 13.5 mg/l Dec. 29, 1969; minimum, 0.0 mg/l on many days during summer periods.
pH (1968-75): Maximum, 9.3 Nov. 10-11, 13, 1970; minimum, 4.2 Nov. 6, 1969.
Water temperatures: Maximum, 31.0°C Aug. 9, 1968; minimum, freezing point on many days during winter periods.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	5940	860	2920	3120	640	1890			
2	---	---	---	5340	900	2920	5360	1260	2980			
3	---	---	---	6180	1300	3320	4860	580	2440			
4	---	---	---	6260	1460	3540	2080	540	1130			
5	---	---	---	5720	1440	3520	4320	660	1980			
6	---	---	---	5820	1340	3490	3940	700	2220			
7	2480	440	---	5920	1440	3640	4200	680	2290			
8	2860	360	1420	6340	1640	3890	4220	820	2610			
9	3120	520	1660	7040	2200	4290	2260	520	972			
10	3180	560	1660	7260	2180	4550	560	480	---			
11	3520	460	1620	7780	2460	5220	---	---	---			
12	3280	580	1890	8460	3720	5830	---	---	---			
13	3460	480	1910	7960	3060	5520	---	---	---			
14	4320	840	2540	6260	3020	---	---	---	---			
15	4080	340	2040	---	---	---	---	---	---			
16	2880	320	1410	---	---	---	---	---	---			
17	2800	260	1400	---	---	---	---	---	---			
18	2080	200	1070	2480	660	---	---	---	---			
19	2560	280	1200	2100	620	1310	---	---	---			
20	1900	240	1080	2320	680	1390	---	---	---			
21	1620	220	868	1800	560	1180	---	---	---			
22	2820	260	1260	1180	540	745	---	---	---			
23	2640	320	1360	1820	600	1140	---	---	---			
24	3840	500	1760	1860	620	1100	---	---	---			
25	3360	620	1880	1520	580	863	---	---	---			
26	3900	460	1760	940	420	684	---	---	---			
27	3240	460	1850	1540	560	876	---	---	---			
28	4240	580	2000	2600	560	1080	---	---	---			
29	---	---	---	2060	560	1090	---	---	---			
30	4420	780	---	2440	560	1210	---	---	---			
31	5100	760	2670	---	---	---	---	---	---			
MONTH	---	---	---	8460	420	2610	---	---	---			

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE, NEAR WILMINGTON, DEL.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	260	190	225	---	---	---	750	200	360
2	---	---	---	230	170	203	200	180	---	650	180	330
3	---	---	---	210	170	186	250	170	195	520	200	---
4	---	---	---	190	170	181	---	---	---	---	---	---
5	---	---	---	210	170	188	---	---	---	---	---	---
6	---	---	---	220	180	195	---	---	---	---	---	---
7	290	270	---	220	180	194	---	---	---	---	---	---
8	400	270	289	240	180	195	---	---	---	---	---	---
9	320	270	285	200	180	190	---	---	---	---	---	---
10	380	200	285	520	190	233	---	---	---	---	---	---
11	420	280	317	490	160	253	---	---	---	---	---	---
12	530	270	334	1020	160	343	---	---	---	---	---	---
13	520	270	335	870	170	361	---	---	---	---	---	---
14	310	200	285	830	180	328	880	200	---	510	410	---
15	400	280	314	1320	190	367	2180	160	718	610	400	452
16	490	290	348	570	200	280	2020	160	695	500	390	429
17	480	290	352	820	200	323	2650	180	1030	450	380	409
18	560	300	378	1010	230	373	2190	160	970	450	360	400
19	510	300	342	1130	230	500	1830	170	774	420	240	333
20	360	300	314	360	220	246	1230	200	543	290	220	250
21	350	300	316	260	230	245	760	170	387	310	220	250
22	390	300	327	260	230	248	1320	180	510	290	220	---
23	440	320	345	250	220	233	1310	180	532	---	---	---
24	430	320	342	250	220	226	1340	160	600	---	---	---
25	440	310	343	240	210	---	1560	220	699	---	---	---
26	320	260	296	---	---	---	1270	350	853	---	---	---
27	290	230	258	---	---	---	780	350	568	---	---	---
28	260	220	238	250	190	---	930	200	571	---	---	---
29	---	---	---	---	---	---	1010	200	383	---	---	---
30	---	---	---	---	---	---	1020	220	389	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	560	200	---	1320	160	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	440	260	327	290	250	266	---	---	---
2	250	210	---	430	240	314	360	250	282	---	---	---
3	280	210	233	510	250	320	500	250	311	---	---	---
4	300	210	236	1280	250	384	910	260	379	---	---	---
5	440	210	267	630	260	---	1240	170	458	---	---	---
6	480	210	257	---	---	---	1430	170	496	---	---	---
7	290	210	235	---	---	---	1330	180	638	---	---	---
8	310	230	242	2820	340	---	1940	180	793	---	---	---
9	420	230	---	4380	390	1680	2180	190	733	---	---	---
10	---	---	---	4060	460	1960	1940	180	848	---	---	---
11	---	---	---	5060	880	2290	1970	210	1030	---	---	---
12	---	---	---	6870	1290	2900	1880	130	520	---	---	---
13	---	---	---	4440	830	2230	750	100	---	---	---	---
14	---	---	---	1890	340	956	---	---	---	---	---	---
15	---	---	---	940	360	603	---	---	---	---	---	---
16	---	---	---	480	220	301	---	---	---	---	---	---
17	310	220	---	370	230	270	---	---	---	---	---	---
18	330	200	242	340	220	257	---	---	---	4930	2610	---
19	310	190	237	330	230	258	---	---	---	6180	2170	4180
20	310	200	230	390	210	261	---	---	---	6180	2030	4180
21	390	200	245	250	200	214	---	---	---	5770	2000	3890
22	430	180	255	270	200	219	---	---	---	5700	1710	3600
23	430	190	250	240	200	---	---	---	---	5030	1200	3000
24	360	210	---	270	200	225	---	---	---	3110	870	---
25	---	---	---	260	200	228	---	---	---	---	---	---
26	---	---	---	230	200	213	---	---	---	---	---	---
27	---	---	---	240	200	218	---	---	---	---	---	---
28	---	---	---	250	210	223	---	---	---	---	---	---
29	---	---	---	280	210	242	---	---	---	---	---	---
30	450	270	---	260	240	253	---	---	---	---	---	---
31	---	---	---	320	240	263	---	---	---	---	---	---
MONTH	---	---	---	6870	200	677	---	---	---	---	---	---

DELAWARE RIVER BASIN

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE, NEAR WILMINGTON, DEL.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	4.4	.9	2.4	9.8	6.4	8.3	9.0	7.4	8.2
2	---	---	---	3.5	.3	1.8	10.4	8.6	9.5	8.7	8.0	---
3	---	---	---	3.9	.3	1.7	9.9	7.9	9.0	---	---	---
4	---	---	---	3.5	.2	1.7	9.5	7.7	8.8	---	---	---
5	---	---	---	5.3	.3	2.3	10.3	8.2	9.3	---	---	---
6	---	---	---	6.0	.6	2.9	9.9	7.8	8.8	9.0	8.1	---
7	5.6	3.2	---	7.1	1.0	3.9	9.7	7.5	8.6	9.0	7.6	8.4
8	6.4	3.0	4.6	6.7	2.1	---	9.8	7.7	8.9	8.9	7.7	8.4
9	6.1	3.2	4.5	---	---	---	8.9	6.9	7.9	9.2	7.6	8.4
10	5.5	2.9	4.0	---	---	---	8.1	6.7	7.5	9.3	7.3	8.2
11	5.3	2.4	3.6	5.9	3.6	---	8.6	7.3	7.7	8.8	7.1	8.0
12	5.1	2.1	3.3	6.2	3.2	4.9	9.4	7.4	8.1	8.1	6.9	7.4
13	4.2	1.3	2.9	6.1	3.3	4.8	9.9	7.6	8.5	7.6	6.9	7.3
14	4.9	1.8	3.2	5.5	3.4	---	9.3	7.6	8.5	8.0	7.2	7.5
15	4.0	1.2	2.7	---	---	---	9.2	8.3	8.9	8.8	7.6	8.0
16	5.4	1.9	3.4	---	---	---	9.6	8.6	9.2	9.1	8.0	8.4
17	4.6	1.8	3.3	---	---	---	9.5	8.4	9.0	9.3	8.4	8.9
18	4.0	1.4	2.9	6.2	2.9	---	9.1	8.4	8.7	9.1	8.7	8.9
19	5.3	2.0	3.5	5.2	2.8	3.9	8.9	8.6	8.7	9.0	8.6	8.7
20	5.1	1.7	3.4	5.8	2.9	4.0	9.0	8.4	8.6	8.9	8.6	8.7
21	5.1	2.4	3.7	6.0	2.9	4.5	8.7	8.3	8.4	9.4	8.4	9.2
22	7.2	2.7	4.7	6.7	4.3	5.2	8.6	8.3	8.4	9.5	8.9	9.2
23	6.6	3.5	4.9	7.9	4.7	6.1	8.5	8.2	8.4	9.9	8.9	9.4
24	7.4	3.5	5.1	6.9	4.3	---	8.5	8.1	8.4	9.8	9.4	9.6
25	6.3	3.4	4.9	---	---	---	8.7	8.0	8.4	9.6	9.3	9.4
26	6.3	3.2	4.5	6.9	5.6	---	9.2	8.1	8.6	9.8	9.3	9.5
27	5.5	3.1	4.3	8.0	5.8	6.6	9.3	8.0	8.6	10.3	9.6	10.1
28	6.7	3.1	4.5	8.6	5.4	6.5	9.2	7.8	8.4	10.4	10.0	10.2
29	---	---	---	7.7	5.4	6.4	9.1	7.7	8.3	10.2	9.9	10.1
30	4.6	1.9	---	8.3	5.5	6.8	8.9	7.5	8.2	10.4	9.9	10.2
31	4.4	1.4	2.7	---	---	---	9.5	7.6	8.4	10.4	9.6	9.9
MONTH	---	---	---	8.6	.2	---	10.4	6.4	8.5	10.4	6.9	8.9

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.8	9.4	9.6	---	---	---	---	---	---	6.2	3.6	5.3
2	9.6	9.1	9.4	---	---	---	9.2	8.7	---	5.8	3.0	4.7
3	9.4	8.8	9.2	---	---	---	9.5	8.8	9.2	5.3	3.2	---
4	9.8	9.1	9.6	11.0	10.2	---	---	---	---	---	---	---
5	9.9	9.2	9.6	11.2	10.1	10.9	---	---	---	---	---	---
6	9.9	9.2	9.6	11.0	10.6	10.7	---	---	---	---	---	---
7	9.9	8.9	9.4	10.7	10.4	10.6	---	---	---	---	---	---
8	9.5	9.0	9.2	10.7	10.3	10.5	---	---	---	---	---	---
9	9.3	9.0	9.1	11.2	10.1	10.9	---	---	---	---	---	---
10	10.2	9.1	9.5	11.6	10.7	11.1	---	---	---	---	---	---
11	10.0	9.3	9.7	11.3	9.7	10.6	---	---	---	---	---	---
12	10.0	9.2	9.7	10.5	9.5	10.1	---	---	---	---	---	---
13	9.9	9.2	9.6	10.3	8.8	9.6	---	---	---	---	---	---
14	10.1	9.3	9.7	10.4	8.9	9.9	9.2	8.6	---	5.3	3.7	---
15	10.1	9.3	9.7	10.5	9.2	9.8	9.5	8.2	8.8	5.8	3.0	4.5
16	10.3	8.9	9.6	9.9	8.8	9.4	9.1	8.0	8.6	5.6	3.1	.5
17	10.0	9.1	9.5	9.7	8.5	9.3	9.3	8.0	8.6	5.8	2.8	
18	10.0	8.5	9.5	9.8	8.5	9.2	8.7	7.5	8.2	5.3	2.7	
19	9.1	6.5	8.5	10.1	8.6	9.4	8.0	6.9	7.6	6.2	2.3	
20	8.4	7.3	7.7	9.3	8.1	8.6	8.0	6.8	7.4	6.5	2.8	4.
21	8.3	6.7	7.4	8.9	8.3	8.5	9.5	6.7	8.2	7.0	2.9	4.6
22	8.2	7.4	7.8	8.5	8.1	8.3	9.6	8.1	8.8	6.0	3.1	---
23	8.0	7.3	7.7	8.6	8.1	8.3	8.8	7.5	8.4	---	---	---
24	8.2	7.3	7.7	8.6	8.1	8.3	8.7	6.6	7.8	---	---	---
25	8.5	7.5	8.0	8.2	7.8	---	7.9	4.9	6.8	---	---	---
26	8.4	7.3	8.2	---	---	---	7.7	7.0	---	---	---	---
27	9.2	7.5	---	---	---	---	---	---	---	---	---	---
28	---	---	---	10.3	9.8	---	7.7	5.0	---	---	---	---
29	---	---	---	---	---	---	7.8	4.1	6.1	---	---	---
30	---	---	---	---	---	---	6.9	3.8	5.7	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	10.3	6.5	9.0	---	---	---	---	---	---	---	---	---

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE, NEAR WILMINGTON, DEL.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	4.4	1.8	3.4				---	---	---
2	5.4	.2	---	4.0	1.9	3.1				---	---	---
3	5.3	.8	3.1	3.4	2.3	2.8				---	---	---
4	6.0	.5	3.0	3.7	2.2	2.7				---	---	---
5	7.9	.9	4.1	2.8	2.2	---				---	---	---
6	7.1	2.4	4.4	---	---	---				---	---	---
7	5.3	1.3	3.3	---	---	---				---	---	---
8	5.1	1.2	3.1	4.2	3.0	---				---	---	---
9	6.0	1.4	3.2	4.8	2.4	3.4				---	---	---
10	---	---	---	4.4	2.0	3.2				---	---	---
11	---	---	---	4.8	1.8	3.3				---	---	---
12	---	---	---	4.7	1.5	3.0				---	---	---
13	---	---	---	4.6	1.8	3.2				---	---	---
14	---	---	---	3.8	1.8	2.7				---	---	---
15	---	---	---	3.7	2.0	2.6				---	---	---
16	---	---	---	3.2	2.1	2.7				---	---	---
17	5.5	1.6	---	---	---	---				---	---	---
18	4.2	1.8	2.8	---	---	---				---	---	---
19	5.3	1.1	2.5	---	---	---				5.4	4.6	---
20	5.8	.4	3.0	---	---	---				5.8	4.1	4.9
										5.2	3.8	4.5
21	5.8	1.8	3.7	---	---	---				4.8	3.7	4.3
22	5.7	1.5	4.1	---	---	---				4.9	3.5	4.2
23	6.3	2.3	---	3.1	2.2	---				5.0	3.5	4.3
24	---	---	---	3.4	1.7	---				5.2	3.9	---
25	---	---	---	3.5	2.4	3.0				---	---	---
26	---	---	---	3.0	1.4	2.5				---	---	---
27	---	---	---	3.2	1.3	2.2				---	---	---
28	---	---	---	2.8	1.6	2.2				---	---	---
29	---	---	---	2.8	1.3	---				---	---	---
30	4.2	2.4	---	---	---	---				---	---	---
31	---	---	---	---	---	---				---	---	---
MONTH	---	---	---	---	---	---				---	---	---

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---		---	---	---	6.8	6.6	6.7
2				---	---		---	---	---	7.0	6.7	6.8
3				---	---		---	---	---	6.8	6.7	6.8
4				---	---		---	---	---	6.8	6.7	6.7
5				---	---		---	---	---	6.8	6.7	6.8
6				---	---		---	---	---	6.8	6.4	6.7
7				---	---		---	---	---	6.9	6.5	6.8
8				---	---		---	---	---	6.8	6.6	---
9				---	---		---	---	---	6.8	6.6	---
10				---	---		---	---	---	6.8	6.3	---
11				---	---		---	---	---	---	---	---
12				---	---		---	---	---	6.9	6.7	6.8
13				---	---		6.8	6.5	---	6.9	6.1	6.6
14				---	---		6.8	6.4	6.6	6.9	6.9	6.9
15				---	---		6.8	6.6	---	6.9	6.9	6.9
16				---	---		---	---	---	7.0	6.8	6.9
17				---	---		6.6	6.3	---	7.0	6.1	6.9
18				6.9	6.5		6.7	6.6	6.7	6.9	6.7	---
19				---	---		6.6	6.3	6.5	---	---	---
20				---	---		6.6	6.4	6.5	6.9	6.9	---
21				---	---		6.6	6.4	6.5	7.0	6.9	6.9
22				---	---		6.7	6.4	6.6	6.9	6.8	6.9
23				---	---		6.7	6.5	6.7	6.9	6.7	6.8
24				---	---		6.9	6.6	6.7	6.8	6.7	6.7
25				---	---		6.9	6.8	6.9	6.8	6.7	---
26				---	---		6.9	6.9	6.9	6.8	6.7	6.8
27				---	---		7.0	6.8	6.9	6.8	6.6	6.7
28				---	---		6.9	6.8	6.9	6.7	6.6	6.7
29				---	---		7.1	6.7	6.9	6.7	6.4	6.6
30				---	---		7.0	6.7	6.8	6.8	6.7	6.7
31				---	---		6.7	6.6	6.7	6.8	6.7	6.7
MONTH				---	---		---	---	---	7.0	6.1	---

DELAWARE RIVER BASIN

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE, NEAR WILMINGTON, DEL.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.6	6.7	6.9	6.8	6.9	---	---	---	6.6	6.4	6.5
2	6.8	6.5	6.7	7.0	6.7	6.8	6.9	6.6	---	6.9	6.3	6.6
3	6.8	6.6	6.7	6.9	6.7	6.8	6.9	6.6	6.7	6.7	6.5	---
4	6.8	6.6	6.7	7.0	6.7	6.9	---	---	---	---	---	---
5	6.7	6.4	6.6	7.0	6.8	6.9	---	---	---	---	---	---
6	6.8	6.6	6.7	6.9	6.8	6.8	---	---	---	---	---	---
7	6.9	6.6	6.8	6.9	6.4	6.8	---	---	---	---	---	---
8	6.9	6.7	6.8	7.0	6.4	6.8	---	---	---	---	---	---
9	6.9	6.6	6.7	7.1	6.8	6.9	---	---	---	---	---	---
10	6.9	6.6	6.8	7.0	6.7	6.9	---	---	---	---	---	---
11	6.8	6.6	6.7	6.9	6.5	6.7	---	---	---	---	---	---
12	6.7	6.5	6.7	6.5	6.2	6.4	---	---	---	---	---	---
13	6.8	6.6	6.7	6.6	6.3	6.4	---	---	---	---	---	---
14	6.8	6.6	6.8	6.6	6.4	6.5	6.8	6.7	---	7.6	7.5	---
15	6.8	6.6	6.7	6.6	6.3	6.5	6.8	6.6	6.7	7.8	7.5	7.6
16	6.8	6.6	6.7	6.6	6.7	6.7	6.8	6.6	6.7	7.7	7.4	7.5
17	6.8	6.4	6.6	7.1	6.8	7.0	6.9	6.7	6.7	7.4	7.1	7.3
18	6.6	6.3	6.5	7.1	6.9	7.0	7.1	6.7	6.8	7.3	6.9	7.1
19	6.8	6.3	6.6	6.9	6.4	6.7	7.4	6.9	7.2	7.1	6.8	7.0
20	6.8	6.6	6.7	7.1	6.9	7.0	6.9	6.7	6.7	7.0	6.9	7.0
21	6.8	6.6	6.7	7.1	7.0	7.1	6.8	6.6	6.7	7.1	6.9	7.0
22	6.8	6.6	6.7	7.1	6.9	7.0	6.8	6.6	6.7	7.1	7.0	---
23	---	---	---	7.1	7.0	7.1	7.0	6.6	6.7	---	---	---
24	---	---	---	7.1	6.7	7.0	7.2	6.9	7.1	---	---	---
25	6.8	6.7	---	7.2	6.7	6.9	7.3	7.0	7.2	---	---	---
26	7.0	6.8	6.9	7.2	7.0	---	7.2	6.6	6.7	---	---	---
27	7.0	6.8	6.9	7.2	7.0	7.1	6.8	6.6	6.6	---	---	---
28	7.0	6.8	6.9	7.1	7.0	---	6.8	6.6	6.6	---	---	---
29	---	---	---	---	---	---	6.7	6.5	6.6	---	---	---
30	---	---	---	---	---	---	6.7	6.5	6.6	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	7.0	6.3	6.7	7.2	6.2	6.8	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.9	6.8	6.8	6.9	6.8	6.8			
2	6.6	6.3	---	6.8	6.8	6.8	6.9	6.8	6.8			
3	6.6	6.3	6.4	6.8	6.8	6.8	6.9	6.8	6.9			
4	6.4	6.3	6.3	6.8	6.7	6.8	6.9	6.8	6.9			
5	6.6	6.3	6.4	6.8	6.8	---	6.9	6.8	6.9			
6	6.6	6.3	6.5	---	---	---	6.9	6.8	6.9			
7	6.4	6.3	6.4	---	---	---	6.9	6.8	6.9			
8	6.4	6.4	6.4	6.8	6.8	---	6.9	6.8	6.9			
9	6.4	6.4	---	6.8	6.8	6.8	6.9	6.8	6.9			
10	---	---	---	6.9	6.8	6.8	6.9	6.8	6.9			
11	---	---	---	6.9	6.8	6.8	6.9	6.8	6.8			
12	---	---	---	6.9	6.8	6.8	6.9	6.8	6.8			
13	---	---	---	6.8	6.7	6.8	6.9	6.5	6.8			
14	---	---	---	6.8	6.5	6.7	6.7	6.6	---			
15	---	---	---	6.8	6.3	6.6	---	---	---			
16	---	---	---	7.0	6.6	6.8	---	---	---			
17	6.8	6.8	---	7.0	6.7	6.9	---	---	---			
18	6.9	6.7	6.8	7.0	6.9	7.0	---	---	---			
19	6.9	6.8	6.8	7.0	6.9	7.0	---	---	---			
20	6.9	6.8	6.8	7.0	7.0	7.0	---	---	---			
21	6.9	6.8	6.9	7.1	7.0	7.0	---	---	---			
22	7.0	6.8	6.9	7.1	7.0	7.0	---	---	---			
23	7.0	6.8	6.9	6.8	6.7	---	---	---	---			
24	6.9	6.9	---	6.8	6.7	6.8	---	---	---			
25	---	---	---	6.8	6.8	6.8	---	---	---			
26	---	---	---	6.8	6.8	6.8	---	---	---			
27	---	---	---	6.8	6.7	6.8	---	---	---			
28	---	---	---	6.8	6.8	6.8	---	---	---			
29	---	---	---	6.8	6.7	6.8	---	---	---			
30	6.8	6.8	---	6.8	6.8	6.8	---	---	---			
31	---	---	---	6.8	6.8	6.8	---	---	---			
MONTH	---	---	---	7.1	6.3	6.8	---	---	---			

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE, NEAR WILMINGTON, DEL.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	15.0	14.0	14.5	8.5	7.0	8.0	5.5	5.0	5.5
2	---	---	---	15.5	14.5	15.0	8.0	7.0	7.5	6.5	5.0	---
3	---	---	---	15.5	15.0	15.0	8.5	7.0	8.0	6.5	5.5	6.0
4	---	---	---	16.0	15.0	15.5	8.0	7.0	7.0	7.0	6.5	6.5
5	---	---	---	16.0	15.5	15.5	7.0	6.0	6.5	7.0	6.0	6.5
6	---	---	---	16.0	15.0	15.5	8.0	6.0	6.5	6.5	5.5	6.0
7	18.0	17.0	---	15.5	14.5	15.0	7.0	6.0	6.5	6.0	5.5	5.5
8	18.0	16.5	17.0	15.0	14.0	14.5	8.0	6.5	7.5	6.0	5.5	5.5
9	17.0	16.5	16.5	14.5	14.0	14.0	8.5	7.0	8.0	6.5	5.5	6.0
10	17.0	16.5	16.5	14.0	13.5	13.5	8.5	6.5	7.0	6.5	6.0	6.0
11	17.0	16.5	16.5	14.0	13.5	---	6.5	6.0	6.0	7.0	6.0	6.5
12	17.0	16.5	16.5	---	---	---	6.5	5.5	6.0	8.0	7.0	7.0
13	17.0	16.5	17.0	---	---	---	6.0	5.5	6.0	8.0	7.0	7.5
14	17.0	16.5	17.0	---	---	---	6.0	6.0	6.0	7.0	6.5	7.0
15	18.0	17.0	17.0	---	---	---	6.0	5.5	5.5	6.5	6.0	6.0
16	17.0	16.5	16.5	---	---	---	6.5	5.5	6.0	6.0	5.5	6.0
17	16.5	16.5	16.5	---	---	---	6.5	6.0	6.0	6.0	5.5	5.5
18	16.5	16.0	16.0	13.0	11.5	---	6.0	5.5	6.0	6.0	5.0	5.5
19	15.5	15.0	15.5	13.0	12.0	12.0	5.5	5.5	5.5	6.0	5.5	6.0
20	15.5	14.5	14.5	13.0	11.5	12.0	5.5	5.5	5.5	6.0	5.0	5.5
21	14.5	13.5	14.0	13.0	11.5	11.5	6.0	5.0	5.5	5.5	4.5	5.0
22	14.5	13.0	14.0	11.5	10.0	11.0	5.5	5.5	5.5	5.0	4.0	4.5
23	14.0	13.5	14.0	11.0	10.0	10.5	5.5	5.0	5.5	5.0	4.5	4.5
24	14.0	13.5	13.5	11.0	9.5	10.5	6.0	5.0	5.5	5.0	4.5	5.0
25	14.0	13.5	13.5	11.5	10.5	11.0	6.0	5.5	5.5	5.5	4.5	5.0
26	14.0	13.5	14.0	11.0	9.5	10.0	6.0	5.0	5.5	5.0	4.5	5.0
27	14.0	13.5	13.5	10.0	8.5	9.5	5.5	5.0	5.5	5.0	4.0	4.5
28	14.0	13.0	13.5	9.5	8.0	9.0	5.5	5.0	5.5	4.5	4.0	4.5
29	---	---	---	9.0	8.0	8.5	5.5	5.0	5.5	5.0	4.5	5.0
30	14.5	14.0	---	9.0	8.0	8.5	5.5	5.0	5.5	5.0	4.5	5.0
31	15.0	14.0	14.5	---	---	---	5.5	5.0	5.5	5.5	4.5	5.0
MONTH	---	---	---	16.0	8.0	---	8.5	5.0	6.0	8.0	4.0	5.5

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.0	4.5	5.0	8.0	6.5	7.0	---	---	---	15.0	14.0	14.5
2	5.0	4.5	5.0	7.0	5.5	6.5	9.0	8.5	---	15.0	14.0	14.5
3	5.5	4.5	5.0	6.0	5.0	5.5	9.0	8.5	9.0	15.0	14.5	---
4	5.0	4.5	5.0	5.5	5.0	---	---	---	---	---	---	---
5	5.0	4.0	4.5	5.0	5.0	5.0	---	---	---	---	---	---
6	5.5	4.0	4.5	5.5	5.0	5.0	---	---	---	---	---	---
7	5.0	4.5	5.0	5.5	5.5	5.5	---	---	---	---	---	---
8	4.5	4.0	4.5	6.0	5.5	5.5	---	---	---	---	---	---
9	4.5	4.0	4.5	5.5	5.0	5.5	---	---	---	---	---	---
10	4.0	3.5	4.0	5.0	5.0	5.0	---	---	---	---	---	---
11	4.0	3.5	3.5	5.5	4.5	5.0	---	---	---	---	---	---
12	4.0	3.5	3.5	5.5	5.0	5.0	---	---	---	---	---	---
13	4.0	3.0	3.5	6.0	5.0	5.5	---	---	---	---	---	---
14	3.5	3.0	3.5	5.5	5.0	5.5	8.5	7.0	---	17.0	17.0	---
15	3.5	3.0	3.5	5.5	5.0	5.5	8.0	7.0	7.5	17.0	17.0	17.0
16	3.5	3.0	3.5	5.5	5.0	5.5	8.5	7.0	8.0	17.0	17.0	17.0
17	4.0	3.0	3.5	6.0	5.5	5.5	9.0	8.0	8.5	17.0	17.0	17.0
18	4.0	3.5	4.0	6.0	5.5	6.0	9.0	8.5	8.5	17.0	17.0	17.0
19	4.5	4.0	4.0	7.0	6.0	6.5	10.0	9.0	9.5	17.0	17.0	17.0
20	4.5	4.0	4.5	8.5	6.5	7.5	10.0	9.5	9.5	17.0	17.0	17.0
21	5.0	4.0	4.5	9.0	7.0	8.5	10.5	9.5	10.0	17.0	17.0	17.0
22	5.0	4.5	5.0	9.5	8.0	9.0	10.5	10.0	10.0	17.0	17.0	---
23	5.5	5.0	5.0	9.5	9.0	9.5	11.5	10.0	10.5	---	---	---
24	6.0	5.0	5.5	9.5	9.0	9.5	12.0	11.0	11.5	---	---	---
25	6.5	5.5	6.0	10.5	9.5	---	13.0	11.5	12.0	---	---	---
26	7.0	6.0	6.5	10.0	9.5	---	14.0	11.5	13.0	---	---	---
27	8.0	7.0	7.0	9.5	9.0	9.5	14.0	12.0	13.5	---	---	---
28	8.0	6.5	7.0	9.0	9.0	---	15.0	13.0	13.5	---	---	---
29	---	---	---	---	---	---	14.5	13.5	14.0	---	---	---
30	---	---	---	---	---	---	14.5	13.5	14.0	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	8.0	3.0	4.5	10.5	4.5	---	---	---	---	---	---	---

DELAWARE RIVER BASIN

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE, NEAR WILMINGTON, DEL.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	24.5	23.5	24.0	28.5	27.0	27.5	---	---	---
2	---	---	---	25.5	23.5	24.5	29.0	28.5	28.5	---	---	---
3	---	---	---	25.5	24.5	25.0	29.5	28.5	29.0	---	---	---
4	---	---	---	25.5	24.5	25.0	29.0	28.0	28.5	---	---	---
5	---	---	---	25.0	25.0	---	29.0	27.0	28.0	---	---	---
6	---	---	---	---	---	---	28.5	27.0	28.0	---	---	---
7	---	---	---	---	---	---	27.0	26.0	26.5	---	---	---
8	---	---	---	25.5	24.5	---	26.0	24.5	25.0	---	---	---
9	---	---	---	26.0	24.5	25.0	25.5	24.5	25.0	---	---	---
10	---	---	---	26.5	24.5	25.5	25.5	24.5	25.0	---	---	---
11	---	---	---	25.5	25.0	25.5	25.0	24.5	25.0	---	---	---
12	---	---	---	25.5	25.0	25.5	25.5	24.5	25.0	---	---	---
13	---	---	---	25.5	24.5	25.0	25.5	24.5	---	---	---	---
14	---	---	---	24.5	24.0	24.0	---	---	---	---	---	---
15	---	---	---	24.5	23.5	24.0	---	---	---	---	---	---
16	---	---	---	25.0	23.5	24.0	---	---	---	---	---	---
17	---	---	---	24.5	23.5	24.0	---	---	---	---	---	---
18	---	---	---	25.5	24.0	24.5	---	---	---	21.0	21.0	---
19	25.0	23.5	---	25.0	24.5	25.0	---	---	---	22.0	21.0	21.5
20	25.0	23.5	24.0	26.0	25.0	25.5	---	---	---	23.0	21.0	21.5
21	25.0	23.5	24.5	26.0	25.0	25.5	---	---	---	21.5	21.0	21.5
22	25.0	24.0	24.5	26.0	25.5	26.0	---	---	---	21.5	21.0	21.0
23	25.0	24.0	24.5	26.5	25.5	---	---	---	---	23.0	20.5	21.5
24	25.0	24.5	---	27.0	26.0	26.5	---	---	---	23.0	21.0	---
25	---	---	---	27.0	26.5	26.5	---	---	---	---	---	---
26	---	---	---	26.5	25.5	26.0	---	---	---	---	---	---
27	---	---	---	26.0	25.5	25.5	---	---	---	---	---	---
28	---	---	---	26.5	25.5	26.0	---	---	---	---	---	---
29	---	---	---	26.5	25.5	26.5	---	---	---	---	---	---
30	24.5	24.5	---	28.0	26.0	26.5	---	---	---	---	---	---
31	---	---	---	28.5	26.5	27.0	---	---	---	---	---	---
MONTH	---	---	---	28.5	23.5	25.5	---	---	---	---	---	---

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DEL.

LOCATION.--Lat 39°30'03", long 75°34'07", New Castle County, water-quality recorder located on platform about 0.4 mi (0.6 km) downstream from Reedy Island near Port Penn.

DRAINAGE AREA.--11,200 mi^2 (29,100 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1963 to September 1975.
Water temperatures: October 1969 to September 1975.

EXTREMES.--1974-75:
Specific conductance: Maximum, 17,600 micromhos Dec. 1; minimum, 200 micromhos Mar. 3-5, April 3.
Dissolved oxygen: Maximum, 12.5 mg/l Feb. 16; minimum, 2.7 mg/l July 18.
pH: Maximum, 8.6 May 8; minimum, 6.0 Dec. 31, Jan. 1, 2, 14, 15.
Water temperatures: Maximum, 29.5°C Aug. 5; minimum, 1.5°C Feb. 14.

Period of record:
Specific conductance: Maximum, 35,400 micromhos Nov. 7, 1963; minimum, 100 micromhos on several days in August 1969, April 1970, and February 1974.
Dissolved oxygen (1970-75): Maximum, 13.7 mg/l Feb. 18, 19, 1973; minimum, 0.3 mg/l Sept. 16, 17, 1971.
pH (1970-75): Maximum, 8.8 Aug. 29, Sept. 2, 1973; minimum, 5.4 Dec. 31, 1972.
Water temperatures (1970-75): Maximum, 29.5°C Aug. 5, 1975; minimum, freezing point on many days during winter periods.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7240	3840	5210	14300	7280	10100	17600	9320	---	7480	2760	4910
2	7120	4040	5290	13000	7280	9400	---	---	---	4720	1680	3100
3	6560	3880	4820	14800	7920	10200	---	---	---	9480	2680	6260
4	7520	4080	5430	14100	7440	10500	---	---	---	7360	3000	4870
5	7080	4760	5690	11700	6880	9060	---	---	---	7120	2480	4480
6	6360	4440	5160	12200	6560	8580	16300	7880	---	7920	2400	4450
7	6480	4360	5130	11900	6800	8950	15100	10700	13300	8160	2840	5380
8	7320	4640	5600	14300	7120	9940	16800	11000	14100	10200	2960	5740
9	6320	3160	4000	14000	8240	11000	13200	6520	9980	9120	3080	6080
10	11600	2560	5630	12900	8360	10700	10000	7400	9170	10000	2600	6250
11	12300	4880	7160	13500	8680	10700	7080	1880	4710	8240	2280	5200
12	10100	4880	7250	12600	8960	10700	7000	1440	2840	3960	1320	2380
13	12100	5160	7310	11900	8480	10200	5520	160	2120	3800	1120	2160
14	12800	5720	8510	10100	7680	8620	6160	1000	2090	2840	560	1340
15	11500	5720	8020	7840	6400	7170	6040	960	2170	2520	440	870
16	10400	5080	7040	6640	5240	5960	8640	1760	3730	2000	480	760
17	11200	4720	7400	6480	4840	5550	5440	720	2450	560	360	445
18	8560	4880	---	12900	4840	8580	1600	560	1030	3520	360	1680
19	---	---	---	11500	9000	10100	4160	520	1300	1360	640	962
20	---	---	---	10600	9040	---	4600	760	1410	1600	440	787
21	---	---	---	---	---	---	6080	1080	3000	8040	920	4190
22	---	---	---	---	---	---	6680	1240	2810	7280	5000	6090
23	---	---	---	---	---	---	6760	960	2940	7240	4160	5770
24	---	---	---	---	---	---	7320	880	3380	10100	4800	6970
25	---	---	---	---	---	---	11400	1520	5210	10000	5120	7470
26	---	---	---	---	---	---	11800	2240	5780	7880	4680	6290
27	---	---	---	14700	10600	---	14700	2560	6760	4640	3280	4020
28	---	---	---	16300	12800	14500	10200	2880	4980	4760	760	2670
29	---	---	---	15100	12800	13800	11800	2840	6240	5600	720	1990
30	---	---	---	17000	7080	12800	9160	3440	6070	1800	640	1090
31	14100	7360	---	---	---	---	8400	2560	4780	1800	560	947
MONTH	---	---	---	17000	4840	---	17600	520	4890	10200	360	3730

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DEL.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2240	520	885	320	280	282	440	320	370	4880	1920	2910
2	1200	440	590	280	240	270	600	360	388	5280	1680	3010
3	880	440	563	280	200	240	2720	280	820	5920	1640	3360
4	1200	360	530	560	200	253	---	---	---	6640	1880	3490
5	5600	480	1930	3000	200	1420	---	---	---	6480	1880	3620
6	6920	840	2770	4840	520	1970	---	---	---	9240	2040	4530
7	5880	960	2060	4720	480	1980	---	---	---	6720	1720	3290
8	6840	720	2300	2920	640	1480	---	---	---	7720	1360	3000
9	4720	600	1610	7160	880	3600	---	---	---	6440	1480	2880
10	6280	540	2240	9640	5080	7490	14900	7160	---	5920	1360	2620
11	7360	1200	3060	8040	7080	7460	15900	6280	9480	5800	1280	2370
12	6000	1440	2980	7600	6600	7100	15700	5560	8810	5800	1480	2590
13	6520	1440	3160	7600	6560	7030	12400	5680	8450	5200	1480	2370
14	3240	1000	1660	6640	6280	6470	10600	8080	9140	4080	1480	2100
15	4840	1120	2280	6880	6360	6610	10800	4360	7170	4560	1440	2240
16	5640	1880	3470	6360	5960	6170	11000	4560	7020	2840	1240	1700
17	5560	2480	3640	5920	2640	4570	13500	5080	8590	1920	1000	1290
18	6880	3400	4980	7520	2840	4390	14000	5080	8060	1520	880	1170
19	6800	2040	4360	7080	2720	4820	12000	4520	6780	1680	880	1280
20	6280	1600	3130	6600	1360	2830	9080	3080	5830	1480	960	1220
21	7160	1440	3270	2280	840	1270	6880	2400	4840	2080	560	1040
22	7840	1240	3470	2160	840	1080	10000	2200	4620	4320	520	1070
23	8000	1400	3310	1000	640	825	9680	2600	4760	4080	520	1230
24	7320	1320	3270	2000	480	798	8320	2760	4940	3160	560	1180
25	5040	920	2470	960	360	585	9120	2760	4650	4360	560	1500
26	1320	320	638	520	360	448	9280	2040	4280	6280	840	2190
27	400	280	328	560	360	410	8360	1760	3140	4600	1080	2090
28	320	240	283	480	360	378	8360	1760	3230	3960	1160	1890
29	---	---	---	1480	560	882	7760	1840	3280	4240	1440	2170
30	---	---	---	2040	760	1420	7000	1840	3180	4200	1440	2720
31	---	---	---	1720	360	708	---	---	---	4120	1960	2670
MONTH	8000	240	2330	9640	200	2750	15900	280	---	9240	520	2280

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3840	1440	2280	---	---	---	7720	880	3210	14100	10300	12500
2	2640	920	1430	8840	2000	---	9800	1600	4600	14600	9640	11900
3	5120	1000	2700	10200	2400	5930	12400	2480	6100	14500	8000	10900
4	9120	1640	4190	13400	2360	7730	13400	2440	7100	16000	7760	11700
5	12300	2760	6500	16000	4160	9770	14400	3760	---	15600	7880	10500
6	10800	2920	6510	17400	5200	10200	11600	3960	6860	15380	7800	11200
7	10300	2280	4930	17000	5800	10600	10800	5120	8120	15400	7760	10500
8	7880	1360	3670	15900	6160	10200	12900	9480	---	15700	8320	11000
9	10800	1200	---	16900	8840	11800	---	---	---	14800	8200	11200
10	---	---	---	14300	7400	10200	---	---	---	14500	8280	10700
11	---	---	---	12800	7360	9680	---	---	---	15000	8440	11200
12	---	---	---	13000	7960	10100	---	---	---	13000	8160	10100
13	---	---	---	12500	8320	9850	---	---	---	14600	6520	9340
14	---	---	---	9640	4560	6950	---	---	---	14600	6480	9390
15	---	---	---	6200	3680	5230	---	---	---	14700	7640	9940
16	---	---	---	5520	2200	3280	---	---	---	13800	8960	10800
17	2480	720	---	2200	840	1620	---	---	---	13400	8200	10500
18	2720	680	1220	2280	680	1130	---	---	---	13000	8360	9890
19	2640	680	1120	2520	640	1050	---	---	---	11600	9240	10300
20	---	---	---	2920	600	1010	11000	6040	---	11100	9520	10300
21	---	---	---	1480	480	815	12000	5880	8050	10800	9120	9770
22	---	---	---	1560	600	800	12500	6040	8150	11800	6720	8990
23	1960	840	---	1160	440	768	11400	5680	7720	10560	6640	8250
24	2920	760	1230	3200	440	1010	12200	5880	8770	9960	5080	7630
25	3200	760	1400	3680	400	972	11300	6120	8040	7360	3360	5600
26	4520	920	1950	1200	400	623	11500	5960	8430	6520	1920	4190
27	4480	1200	---	2760	520	1180	10900	5760	7850	3080	1600	2140
28	---	---	---	3360	760	1610	10900	5400	7470	2840	1640	1980
29	---	---	---	3840	520	1310	13200	5720	8610	4840	1240	2330
30	---	---	---	5520	520	2090	12300	6720	9070	6400	1160	2980
31	---	---	---	6160	640	2470	15700	6200	10500	---	---	---
MONTH	---	---	---	17400	400	4830	---	---	---	16300	1160	8920

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DEL.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	6.7	7.1	8.0	6.6	7.4	11.3	10.3	10.8	10.1	9.4	9.8
2	7.6	6.6	7.1	7.6	6.2	7.1	10.3	9.7	10.0	10.8	9.7	10.4
3	8.1	7.0	7.6	7.4	6.2	6.8	11.4	10.0	10.6	11.0	10.3	10.7
4	8.7	7.5	8.0	7.9	6.0	7.1	11.7	11.1	11.4	10.9	10.3	10.6
5	8.4	7.4	8.0	7.6	6.4	7.1	11.4	9.5	---	10.8	10.3	10.6
6	8.3	7.2	7.7	7.9	6.3	7.1	11.0	10.4	---	11.0	10.3	10.7
7	8.3	7.1	7.7	8.1	6.6	7.6	10.9	10.2	10.6	11.1	10.6	10.8
8	8.8	7.5	8.2	9.1	7.3	8.3	11.0	10.4	10.7	11.3	10.4	10.8
9	8.3	7.6	---	9.2	8.0	8.7	10.8	9.9	10.3	11.3	10.4	10.8
10	8.7	7.3	---	9.0	8.0	8.7	10.4	9.4	9.9	11.3	10.3	10.7
11	8.7	6.9	8.0	9.0	7.9	8.6	9.9	8.6	9.3	11.2	10.1	10.6
12	8.5	6.8	7.8	8.9	8.0	8.6	10.4	8.3	9.1	10.6	9.5	10.1
13	8.7	6.9	7.7	8.9	8.2	8.6	9.9	8.2	8.8	10.4	9.5	9.9
14	8.4	7.2	7.9	8.9	8.4	8.7	9.8	8.2	8.7	10.3	9.4	9.8
15	8.3	7.1	7.7	9.1	8.5	8.9	9.8	8.3	8.8	10.9	9.6	10.2
16	9.0	7.9	8.4	9.1	8.6	[illegible]	10.7	9.2	9.7	10.8	10.2	10.5
17	8.7	7.2	8.1	9.1	8.6	8.8	10.0	9.1	9.5	12.4	10.6	11.5
18	8.6	7.7	---	8.9	8.3	8.7	9.9	9.1	9.5	11.6	11.0	11.3
19	---	---	---	8.8	8.2	8.5	9.8	9.5	9.6	11.6	11.0	11.2
20	---	---	---	8.8	8.3	---	10.0	9.5	9.7	12.1	11.0	11.6
21	---	---	---	---	---	---	9.9	9.6	9.7	12.3	11.5	11.9
22	---	---	---	---	---	---	10.1	9.6	9.8	12.2	11.0	11.5
23	---	---	---	---	---	---	10.1	9.4	9.7	11.8	10.9	11.3
24	---	---	---	---	---	---	9.7	9.3	9.5	11.8	10.8	11.2
25	---	---	---	---	---	---	10.1	9.4	9.7	11.7	10.6	11.2
26	---	---	---	---	---	---	10.3	9.7	10.0	11.6	10.8	11.2
27	---	---	---	10.4	9.7	---	10.6	9.8	10.1	12.2	11.1	11.5
28	---	---	---	10.4	9.7	10.1	10.3	9.8	10.0	11.6	10.9	11.2
29	---	---	---	10.4	9.7	10.1	10.3	9.7	10.0	11.3	10.7	11.0
30	---	---	---	10.7	9.8	10.3	10.2	9.5	9.9	11.5	10.9	11.2
31	8.1	6.8	---	---	---	---	10.2	9.5	9.8	11.1	10.8	11.0
MONTH	---	---	---	10.7	6.0	---	11.7	8.2	9.8	12.4	9.4	10.9

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.1	10.7	10.9	10.5	10.1	10.3	10.2	9.7	9.9	9.3	8.5	8.9
2	11.0	10.4	10.7	10.5	10.1	10.3	10.1	9.8	10.0	9.3	8.3	8.7
3	10.9	10.3	10.6	11.1	10.3	10.7	10.2	9.9	---	9.0	8.0	8.5
4	11.0	10.3	10.8	11.9	10.7	11.2	---	---	---	9.2	7.9	8.6
5	12.0	10.9	11.3	11.6	11.0	11.2	---	---	---	9.0	8.0	8.4
6	12.0	10.8	11.3	11.5	11.0	11.2	---	---	---	9.1	7.8	8.3
7	11.7	10.8	11.2	11.2	11.0	11.1	---	---	---	8.6	7.5	7.9
8	11.9	11.0	11.4	11.7	11.0	11.3	---	---	---	8.1	6.6	7.3
9	11.8	11.1	11.5	12.2	11.6	11.8	---	---	---	7.5	6.2	6.8
10	12.2	11.5	11.8	12.1	11.7	11.9	11.2	10.6	---	6.9	5.8	6.4
11	12.3	11.4	11.8	11.9	11.5	11.7	11.3	10.4	10.7	6.6	5.6	6.2
12	12.1	11.4	11.7	11.8	11.4	11.6	11.2	10.2	10.5	7.3	5.9	6.7
13	12.2	11.5	11.9	11.7	11.2	11.5	11.0	10.0	10.3	7.3	6.5	6.9
14	12.4	11.8	12.1	11.9	11.3	11.7	10.8	9.9	10.2	6.9	6.3	6.7
15	12.4	12.0	12.1	11.9	11.5	11.7	10.8	10.1	10.4	7.1	6.1	6.7
16	12.5	11.7	12.1	11.8	11.2	11.5	11.1	10.1	10.5	6.9	6.1	6.4
17	12.3	11.6	12.0	11.7	10.8	11.3	11.4	10.1	10.7	6.5	5.7	6.2
18	12.4	11.5	12.0	11.4	10.8	11.1	11.6	10.0	10.5	6.2	5.6	6.0
19	12.3	11.3	11.7	11.4	10.8	11.2	11.1	9.8	10.2	6.0	5.4	5.7
20	11.9	11.1	11.4	11.3	10.5	10.9	10.3	9.7	9.9	6.3	5.2	5.7
21	11.8	10.9	11.2	10.7	10.0	10.3	10.2	9.6	9.9	5.6	4.9	5.3
22	11.6	10.6	11.1	10.3	9.7	10.0	10.7	9.6	9.9	5.7	4.8	5.3
23	11.6	10.5	11.0	9.8	9.2	9.5	10.5	9.4	9.8	6.0	5.0	5.4
24	11.3	10.4	10.8	9.8	8.7	9.2	10.1	9.1	9.6	6.2	4.9	5.5
25	11.1	10.0	10.6	9.0	8.2	8.6	10.2	8.9	9.3	6.0	5.1	5.6
26	11.8	10.3	10.9	9.4	8.4	9.0	10.0	8.5	9.2	6.0	5.1	5.5
27	11.0	10.0	10.6	9.7	9.2	9.5	9.8	8.5	9.0	6.1	4.9	5.6
28	10.8	10.1	10.4	9.8	9.3	9.5	9.7	8.8	9.2	6.5	5.3	5.8
29	---	---	---	9.5	9.3	9.4	10.2	8.6	9.1	6.5	5.5	5.9
30	---	---	---	9.6	9.2	9.4	9.8	8.6	9.0	6.3	5.6	6.0
31	---	---	---	10.1	9.2	9.8	---	---	---	6.1	5.4	5.8
MONTH	12.5	10.0	11.3	12.2	8.2	10.6	11.6	8.5	---	9.3	4.8	6.6

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DEL.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.9	5.3	5.6	---	---	---	5.2	4.1	4.5	6.6	6.1	6.3
2	5.9	5.2	5.6	6.6	5.7	---	5.0	4.1	4.4	6.5	5.7	6.1
3	5.8	5.1	5.5	6.7	5.7	6.1	4.8	3.9	4.3	6.5	5.9	6.1
4	6.0	5.2	5.6	7.0	5.4	6.0	4.9	3.9	4.3	6.5	5.9	6.3
5	6.6	5.6	6.1	6.6	5.0	5.8	5.3	4.0	---	6.4	6.0	6.2
6	6.7	5.8	6.2	6.1	4.9	5.5	4.7	4.1	4.4	6.3	5.8	6.1
7	6.6	5.8	6.2	5.3	4.4	4.8	5.0	4.4	4.8	6.1	5.6	5.9
8	6.7	5.6	6.2	5.7	4.8	5.1	5.4	4.7	5.0	6.6	5.6	6.1
9	6.7	4.9	5.8	5.8	4.9	5.2	5.3	4.8	5.0	6.8	6.0	6.3
10	6.0	5.0	5.4	5.5	4.6	5.1	5.0	4.6	4.8	6.8	6.2	6.5
11	5.9	4.8	5.4	5.7	4.7	5.1	5.1	4.4	4.7	7.1	6.3	6.7
12	5.8	5.2	5.6	5.3	4.5	4.9	4.9	4.3	4.6	7.5	6.9	7.2
13	5.4	4.7	5.1	5.4	4.6	5.0	4.7	4.2	4.4	7.7	7.2	7.4
14	5.1	3.9	4.6	5.1	4.5	4.8	5.0	4.5	4.8	7.8	7.3	7.6
15	5.6	3.7	4.8	4.6	3.3	4.2	4.9	4.6	---	8.0	7.5	7.7
16	5.3	3.8	4.9	4.1	2.9	3.7	---	---	---	7.9	7.5	7.7
17	5.4	3.8	4.6	4.0	2.8	3.5	---	---	---	7.8	7.4	7.6
18	5.2	4.3	4.7	4.1	2.7	3.5	---	---	---	7.9	7.1	7.5
19	4.9	3.8	4.4	4.1	2.9	3.6	---	---	---	7.7	6.9	7.3
20	---	---	---	4.2	3.3	3.8	5.1	4.5	---	7.3	6.8	7.0
21	---	---	---	4.4	3.6	4.1	5.1	4.4	4.6	7.1	6.6	6.9
22	---	---	---	4.5	3.3	3.9	4.9	4.4	4.7	7.1	6.1	6.6
23	7.1	5.9	---	4.7	3.2	3.9	5.4	4.6	4.9	7.0	6.3	6.7
24	6.9	6.1	6.5	4.9	4.2	4.5	5.2	4.8	5.0	7.1	6.6	6.9
25	7.2	5.9	6.4	4.8	4.4	4.6	5.4	4.7	5.0	7.2	6.7	6.9
26	6.7	6.0	6.3	5.3	4.5	4.9	5.4	4.6	4.9	7.2	6.1	6.8
27	6.4	5.8	---	5.3	4.5	4.8	5.5	4.8	5.0	6.3	5.2	5.8
28	---	---	---	5.1	4.5	4.8	5.7	5.0	5.3	6.1	4.9	5.6
29	---	---	---	5.3	4.4	4.8	5.9	4.9	5.3	6.0	5.1	5.6
30	---	---	---	5.1	4.3	4.7	5.8	5.1	5.5	6.0	5.3	5.6
31	---	---	---	5.0	4.1	4.5	6.5	5.8	6.2	---	---	---
MONTH	7.2	3.7	---	7.0	2.7	4.7	6.5	3.9	---	8.0	4.9	6.6

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	7.2	7.4	8.1	7.6	7.9	---	---	---	6.5	6.0	6.3
2	7.6	7.2	7.4	8.1	7.5	7.8	---	---	---	6.6	6.0	6.2
3	7.6	7.2	7.4	8.0	6.9	7.5	---	---	---	6.5	6.1	6.3
4	7.5	7.3	---	7.2	6.7	7.0	---	---	---	6.5	6.1	6.3
5	---	---	---	7.1	6.8	7.0	---	---	---	6.4	6.2	6.3
6	---	---	---	7.1	6.7	6.9	---	---	---	6.6	6.2	6.3
7	---	---	---	7.2	6.7	6.9	---	---	---	6.7	6.3	6.5
8	---	---	---	7.6	6.8	7.1	---	---	---	6.7	6.2	6.5
9	---	---	---	7.7	7.0	7.3	---	---	---	7.3	6.5	6.8
10	---	---	---	7.5	7.0	7.3	---	---	---	7.1	6.4	6.7
11	---	---	---	7.5	6.9	7.2	---	---	---	---	---	---
12	---	---	---	7.4	6.9	7.1	---	---	---	---	---	---
13	---	---	---	7.2	6.7	7.0	---	---	---	---	---	---
14	---	---	---	7.1	6.7	6.9	---	---	---	6.5	6.0	6.2
15	---	---	---	7.0	6.7	6.8	---	---	---	6.4	6.0	6.2
16	---	---	---	6.9	6.7	6.8	---	---	---	6.7	6.1	6.4
17	---	---	---	7.0	6.7	6.9	---	---	---	6.7	6.2	6.4
18	---	---	---	7.5	6.8	7.1	---	---	---	6.5	6.2	---
19	---	---	---	7.7	7.3	7.6	---	---	---	---	---	---
20	---	---	---	7.7	7.5	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	7.0	6.8	---
22	---	---	---	---	---	---	---	---	---	7.1	6.7	6.9
23	---	---	---	---	---	---	---	---	---	7.0	6.7	6.9
24	---	---	---	---	---	---	---	---	---	7.1	6.8	6.9
25	---	---	---	---	---	---	---	---	---	7.1	6.9	7.0
26	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
27	---	---	---	8.1	7.9	---	---	---	---	7.2	6.9	7.0
28	---	---	---	7.9	7.0	7.5	---	---	---	7.0	6.9	6.9
29	---	---	---	7.3	6.7	7.0	---	---	---	7.0	6.8	6.9
30	---	---	---	7.2	6.8	---	6.5	6.1	---	7.0	6.9	7.0
31	7.7	7.4	---	---	---	---	6.4	6.0	6.2	6.9	6.8	6.9
MONTH	---	---	---	8.1	6.7	---	---	---	---	7.3	6.0	---

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DEL.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.8	7.1	6.4	6.6	7.2	7.0	7.1	---	---	---
2	6.8	6.7	6.8	6.6	6.5	6.5	7.2	7.1	7.2	---	---	---
3	6.8	6.6	6.7	6.7	6.5	6.6	7.3	7.1	7.2	---	---	---
4	6.7	6.6	6.7	6.7	6.5	6.6	---	---	---	---	---	---
5	7.0	6.6	6.8	7.4	6.6	6.8	---	---	---	7.8	7.5	---
6	7.1	6.7	6.9	7.1	6.7	---	---	---	---	8.4	7.4	7.7
7	7.0	6.8	6.9	---	---	---	---	---	---	8.4	7.5	7.7
8	7.0	6.7	6.9	---	---	---	---	---	---	8.6	7.5	---
9	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
10	7.1	6.8	6.9	---	---	---	---	---	---	---	---	---
11	7.1	6.9	7.0	---	---	---	---	---	---	---	---	---
12	7.5	6.9	7.1	---	---	---	---	---	---	6.6	6.5	---
13	7.1	6.6	6.8	---	---	---	---	---	---	6.6	6.2	6.4
14	6.7	6.6	6.6	---	---	---	---	---	---	6.5	6.4	6.4
15	7.0	6.7	6.7	---	---	---	7.2	7.0	---	6.5	6.4	6.5
16	7.1	6.7	6.8	---	---	---	7.3	7.0	7.1	6.6	6.4	6.5
17	7.3	6.8	7.0	---	---	---	7.5	7.0	7.2	6.7	6.6	6.7
18	7.3	6.8	7.1	---	---	---	7.5	6.9	7.1	6.6	6.4	6.5
19	7.3	6.7	7.0	---	---	---	7.3	6.9	7.0	6.7	6.6	6.6
20	6.7	6.5	6.6	---	---	---	7.0	6.8	6.9	7.0	6.6	6.8
21	6.7	6.5	6.6	---	---	---	7.3	6.8	7.1	6.9	6.7	6.8
22	6.7	6.5	6.6	---	---	---	7.5	7.0	7.2	6.7	6.6	6.7
23	---	---	---	---	---	---	7.3	7.0	---	6.8	6.4	6.7
24	---	---	---	---	---	---	---	---	---	6.8	6.6	6.7
25	7.1	6.5	6.7	---	---	---	---	---	---	6.8	6.6	6.7
26	6.9	6.5	6.6	---	---	---	---	---	---	6.8	6.6	6.8
27	6.7	6.4	6.6	---	---	---	---	---	---	6.8	6.5	6.7
28	7.6	6.5	6.8	---	---	---	---	---	---	6.9	6.7	6.8
29	---	---	---	---	---	---	---	---	---	6.8	6.7	6.8
30	---	---	---	---	---	---	---	---	---	6.8	6.7	6.7
31	---	---	---	7.3	7.1	---	---	---	---	6.9	6.6	6.8
MONTH	7.6	6.4	6.8	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.0	6.7	6.8	---	---	---	7.4	6.9	7.1	7.3	7.1	7.3
2	6.9	6.8	6.8	7.5	7.2	---	7.4	7.0	7.2	7.4	7.1	7.3
3	7.0	6.7	6.9	7.3	7.1	---	7.4	7.0	7.2	7.4	7.1	7.2
4	7.1	6.7	6.9	7.3	6.8	7.2	7.5	6.9	7.2	7.6	7.1	7.4
5	7.1	6.6	6.8	7.4	6.7	7.0	7.3	7.0	---	7.5	7.0	7.2
6	7.2	6.9	---	7.2	6.7	7.0	7.2	6.9	7.0	7.2	6.9	7.0
7	---	---	---	7.2	6.7	7.0	7.0	6.7	6.8	7.2	6.9	7.0
8	---	---	---	7.2	6.8	7.0	7.1	6.9	7.0	7.8	6.9	7.5
9	7.2	6.6	---	7.3	6.9	7.1	7.2	6.9	7.0	7.6	7.4	7.5
10	7.9	6.7	7.2	7.2	6.9	7.0	7.1	6.8	7.0	7.5	7.3	7.4
11	6.9	6.6	---	7.1	6.9	7.0	7.1	6.8	7.0	7.7	7.2	7.6
12	---	---	---	7.2	6.9	7.0	7.1	6.7	6.9	7.7	7.5	7.6
13	---	---	---	7.3	7.0	7.1	7.1	6.7	6.9	7.8	7.6	7.7
14	---	---	---	7.1	6.9	7.0	7.1	6.7	6.9	7.8	7.6	7.7
15	---	---	---	7.0	6.8	6.9	7.0	6.8	---	7.8	7.6	7.7
16	---	---	---	6.9	6.7	6.8	---	---	---	7.9	7.6	7.7
17	6.9	6.7	---	6.8	6.7	---	---	---	---	7.9	7.6	7.8
18	7.1	6.6	6.8	7.5	6.9	7.1	---	---	---	8.0	7.5	7.8
19	---	---	---	7.1	6.8	6.9	---	---	---	8.0	6.9	7.5
20	---	---	---	7.3	6.9	7.1	7.3	7.1	---	8.1	7.4	7.8
21	---	---	---	7.3	7.0	7.2	7.2	6.9	7.0	8.1	7.7	7.9
22	---	---	---	7.5	7.2	7.4	7.0	6.8	6.9	8.0	6.8	7.4
23	7.6	7.1	---	7.7	7.3	7.5	7.0	6.8	6.9	---	---	---
24	7.2	7.0	7.1	7.5	7.1	7.2	7.1	6.9	7.0	---	---	---
25	7.2	6.8	7.0	7.1	6.9	7.0	7.2	6.9	7.1	---	---	---
26	6.9	6.7	6.8	7.2	7.0	7.1	7.3	6.9	7.1	---	---	---
27	6.8	6.5	---	7.2	7.0	7.1	7.2	7.0	7.1	---	---	---
28	---	---	---	7.2	7.0	7.1	7.2	6.9	7.0	---	---	---
29	---	---	---	7.5	6.9	7.1	7.3	6.9	7.1	7.8	7.2	---
30	---	---	---	7.3	7.0	7.2	7.3	7.1	7.2	7.7	7.4	7.5
31	---	---	---	7.1	6.9	7.0	7.4	7.1	7.2	---	---	---
MONTH	---	---	---	7.7	6.7	7.1	7.5	6.7	---	8.1	6.8	---

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DEL.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	19.5	19.5	15.5	14.5	14.5	8.0	7.0	7.5	6.0	5.0	5.5
2	19.5	18.5	19.0	15.5	14.5	15.0	---	---	---	5.5	5.0	5.0
3	19.0	17.0	18.0	15.0	15.0	15.0	---	---	---	5.0	5.0	5.0
4	17.0	16.5	17.0	15.0	14.5	14.5	---	---	---	5.5	5.0	5.0
5	18.0	16.5	17.0	14.5	14.5	14.5	---	---	---	5.5	5.0	5.0
6	18.0	16.5	17.0	14.5	14.0	14.5	6.5	6.0	---	5.0	4.5	5.0
7	18.0	16.5	17.0	14.0	13.5	14.0	6.5	6.0	6.0	5.5	4.5	5.0
8	17.0	16.0	16.5	14.0	13.5	13.5	7.0	6.0	6.5	5.5	4.5	5.0
9	16.5	16.5	---	14.0	13.0	13.5	7.0	6.0	6.5	6.0	5.0	5.5
10	17.0	16.5	---	13.5	13.0	13.0	6.5	6.0	6.0	5.5	5.0	5.5
11	18.0	16.5	16.5	13.5	13.0	13.0	7.0	6.0	6.5	6.5	5.5	6.0
12	18.0	16.5	16.5	13.0	12.0	13.0	6.5	6.0	6.5	6.5	6.0	6.0
13	17.0	16.5	16.5	13.0	12.0	12.5	6.5	6.0	6.0	6.0	6.0	6.0
14	17.0	16.5	16.5	13.0	11.5	12.0	6.5	6.0	6.0	6.0	5.0	5.5
15	18.0	16.5	17.0	12.0	11.0	11.5	6.0	6.0	6.0	5.0	4.5	5.0
16	17.0	16.5	16.5	11.5	10.5	11.0	6.5	6.0	6.0	5.0	4.5	4.5
17	17.0	16.0	16.5	11.0	10.5	10.5	6.5	6.0	6.0	4.5	3.5	4.0
18	16.5	16.0	---	11.0	10.5	10.5	6.0	5.5	6.0	4.5	4.0	4.0
19	---	---	---	11.0	10.5	10.5	6.0	5.5	5.5	4.5	4.0	4.5
20	---	---	---	10.5	10.5	---	6.0	5.5	5.5	4.5	3.5	4.0
21	---	---	---	---	---	---	5.5	5.5	5.5	4.0	3.5	3.5
22	---	---	---	---	---	---	5.5	5.5	5.5	4.5	3.5	4.0
23	---	---	---	---	---	---	6.0	5.0	5.5	4.5	4.0	4.0
24	---	---	---	---	---	---	6.0	5.5	5.5	4.5	4.0	4.0
25	---	---	---	---	---	---	6.0	5.5	5.5	4.5	4.0	4.5
26	---	---	---	---	---	---	5.5	5.0	5.5	4.5	4.0	4.5
27	---	---	---	8.5	8.5	---	5.5	5.0	5.0	5.0	3.5	4.5
28	---	---	---	8.5	8.0	8.5	6.0	5.0	5.5	4.5	4.0	4.5
29	---	---	---	8.5	8.0	8.0	5.5	5.0	5.5	5.0	4.0	4.5
30	---	---	---	8.0	7.0	7.5	5.5	5.5	5.5	5.0	4.5	4.5
31	15.0	14.5	---	---	---	---	5.5	5.0	5.5	4.5	4.0	4.5
MONTH	---	---	---	15.5	7.0	---	8.0	5.0	6.0	6.5	3.5	5.0

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.5	4.0	4.0	6.0	5.5	6.0	8.5	7.0	8.0	11.5	11.0	11.5
2	4.5	4.0	4.0	5.5	5.5	5.5	8.5	8.0	8.0	11.5	11.0	11.0
3	4.0	3.5	4.0	5.5	5.0	5.0	8.5	7.0	8.0	12.0	10.5	11.5
4	4.0	3.5	3.5	5.0	4.5	5.0	9.5	7.0	8.0	11.5	10.5	11.0
5	4.0	3.5	3.5	5.5	4.5	5.0	9.5	7.0	---	11.5	10.5	11.0
6	4.0	3.5	3.5	5.5	4.5	5.0	---	---	---	12.0	10.5	11.0
7	4.0	3.5	4.0	5.5	5.0	5.0	---	---	---	13.0	11.0	11.5
8	4.0	3.0	3.5	5.5	4.5	5.5	---	---	---	14.0	11.5	12.5
9	4.0	3.5	3.5	5.0	4.0	4.5	---	---	---	13.5	12.0	13.0
10	3.5	2.0	3.0	4.5	4.0	4.5	8.0	7.0	---	14.0	13.0	13.5
11	3.5	3.0	3.5	5.0	4.0	4.5	9.0	7.0	7.5	14.0	13.0	13.5
12	3.5	3.0	3.0	5.0	4.5	4.5	8.5	7.0	8.0	15.0	13.5	14.5
13	3.0	3.0	3.0	5.5	4.5	5.0	8.5	8.0	8.0	15.5	14.0	15.0
14	3.0	1.5	2.5	5.0	4.5	4.5	9.0	8.0	8.5	16.0	14.5	15.5
15	3.0	2.0	2.5	5.0	4.5	4.5	8.5	7.0	7.5	16.0	15.0	15.5
16	3.5	2.0	3.0	5.0	4.5	5.0	8.5	7.0	7.5	16.5	15.5	16.0
17	3.5	3.0	3.0	6.0	5.0	5.0	9.0	7.0	8.5	16.5	16.0	16.0
18	3.5	3.0	3.5	5.5	5.0	5.5	9.0	8.0	8.5	16.5	16.0	16.0
19	4.0	3.0	3.5	6.0	5.0	5.5	9.5	8.5	9.0	18.5	16.0	17.0
20	4.5	3.5	4.0	6.5	5.5	6.0	10.0	9.0	9.5	20.0	18.0	19.0
21	4.5	3.5	4.0	7.0	6.0	6.5	11.0	9.0	10.5	20.5	19.5	20.0
22	5.0	4.0	4.5	7.0	6.0	6.5	11.0	10.0	10.5	21.0	20.0	20.5
23	5.0	4.5	4.5	8.0	6.5	7.5	11.5	10.5	11.0	21.5	20.0	21.0
24	5.0	4.5	5.0	8.5	7.0	8.0	11.5	11.0	11.0	22.0	20.5	21.5
25	5.5	4.5	5.0	9.5	8.5	8.5	12.0	11.0	11.5	21.5	20.5	21.0
26	6.0	5.0	5.5	9.0	8.5	8.5	13.0	11.0	12.0	21.5	20.0	21.0
27	6.0	5.5	5.5	8.5	7.0	8.0	13.0	11.5	11.5	22.0	20.5	21.0
28	6.0	5.5	5.5	8.5	7.0	8.0	12.0	11.5	12.0	22.0	21.0	21.5
29	---	---	---	8.5	8.0	8.0	12.0	11.5	11.5	22.0	21.0	21.5
30	---	---	---	8.5	8.0	8.0	13.0	11.5	12.0	22.0	21.0	21.5
31	---	---	---	8.5	7.0	7.5	---	---	---	23.0	21.5	22.0
MONTH	6.0	1.5	4.0	9.5	4.0	6.0	13.0	7.0	9.5	23.0	10.5	16.5

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DEL.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.0	21.5	22.0	---	---	---	---	---	---	24.5	23.5	24.0
2	23.5	21.5	22.5	25.0	24.5	---	---	---	---	24.5	23.5	24.0
3	23.5	21.5	22.5	25.5	24.0	24.5	---	---	---	24.0	23.5	24.0
4	23.5	22.0	22.5	25.5	24.0	24.5	---	---	---	23.5	23.0	23.5
5	23.5	21.5	22.5	25.5	24.0	25.0	29.5	28.0	---	24.0	23.0	23.5
6	23.5	22.0	23.0	25.5	24.5	24.5	28.5	27.0	28.0	23.5	23.0	23.5
7	23.5	22.0	23.0	25.5	24.5	25.0	27.0	26.0	26.5	23.0	23.0	23.0
8	22.0	21.5	22.0	26.0	24.5	25.0	26.5	25.5	26.0	23.0	21.0	22.0
9	22.0	21.0	21.5	25.5	24.5	25.0	26.5	25.5	26.0	21.5	21.0	21.0
10	23.0	21.0	21.5.	26.0	24.5	25.5	26.5	25.5	26.0	21.0	20.5	21.0
11	22.0	21.0	21.5	25.5	25.0	25.0	26.5	26.0	26.0	21.0	20.5	20.5
12	21.5	21.0	21.0	25.5	24.5	25.0	26.5	26.0	26.5	21.0	20.0	20.5
13	23.0	21.0	22.0	25.0	24.5	25.0	27.0	26.0	26.5	20.5	19.5	20.0
14	23.5	21.5	22.5	25.5	24.5	25.0	27.0	26.0	26.5	20.0	19.0	19.5
15	23.0	22.0	22.5	26.0	25.0	25.5	26.5	26.0	---	19.5	18.5	19.0
16	23.5	22.0	23.0	26.0	25.0	25.5	---	---	---	19.5	18.5	19.0
17	23.5	22.0	23.0	26.0	25.5	25.5	---	---	---	20.0	18.5	19.0
18	24.0	22.0	23.0	27.0	25.5	26.0	---	---	---	19.0	18.5	19.0
19	24.5	23.0	23.5	26.5	25.5	26.0	---	---	---	19.5	18.5	19.0
20	23.5	21.5	22.5	27.0	26.0	26.0	27.0	26.0	---	20.0	19.0	19.5
21	24.0	22.0	23.0	27.0	26.0	26.5	26.5	25.5	26.0	19.5	19.0	19.5
22	24.0	23.0	23.5	27.0	26.0	26.5	26.5	26.0	26.0	20.5	19.0	20.0
23	24.0	23.5	23.5	28.0	26.0	27.0	26.0	25.5	25.5	20.5	20.0	20.0
24	24.5	23.0	23.5	28.0	26.5	27.0	26.0	25.0	25.5	20.0	19.5	19.5
25	25.0	23.5	24.0	27.0	26.5	26.5	26.5	25.5	26.0	19.5	19.5	19.5
26	24.0	23.5	23.5	26.5	26.0	26.5	27.0	26.0	26.5	20.5	19.5	20.0
27	23.5	23.0	---	27.0	25.5	26.5	26.5	26.0	26.5	20.5	20.0	20.0
28	---	---	---	27.0	26.0	26.5	26.5	25.5	26.5	20.0	19.5	20.0
29	---	---	---	---	---	---	26.5	25.5	26.0	20.0	19.5	19.5
30	---	---	---	---	---	---	26.0	25.5	25.5	20.0	19.5	19.5
31	---	---	---	---	---	---	25.5	24.0	24.5	---	---	---
MONTH	25.0	21.0	22.5	28.0	24.0	25.5	---	---	---	24.5	18.5	20.5

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
01446900 - BUSH KILL CREEK NEAR EASTON, PA. (LAT 40 42 38 LONG 075 14 46)										
APR., 1975										
30...	1700	94	--	--	--	129	0	106	65	11
01449355 - MIDDLE CREEK AT KRESGEVILLE, PA. (LAT 40 54 03 LONG 075 29 50)										
MAY , 1975										
01...	1000	36	--	--	--	5	0	4	1.8	1.9
01451110 - HOKENDAUQUA CREEK NR NORTHAMPTON, PA. (LAT 40 42 50 LONG 075 29 45)										
APR., 1975										
30...	1500	42	--	--	--	34	0	28	25	5.0
01451165 - CATASAUQUA CREEK AT CATASAUQUA, PA. (LAT 40 38 52 LONG 075 28 06)										
APR., 1975										
30...	1330	13	--	--	--	170	0	139	78	9.5
01457790 - COOKS CR AT DURHAM FURNACE, PA. (LAT 40 34 56 LONG 075 12 20)										
APR., 1975										
23...	1525	35	--	--	--	93	4	83	24	4.5
SEP.										
16...	1445	22	40	27	8.0	--	--	100	16	6.0
01459150 - TOHICKON CR NR QUAKERTOWN, PA. (LAT 40 26 33 LONG 076 18 33)										
APR., 1975										
23...	1430	10	--	--	--	118	0	97	82	80
SEP.										
16...	1745	4.1	380	37	26	--	--	110	76	65
01462300 - JERICO CR AT WASHINGTON CROSSING, PA. (LAT 40 18 40 LONG 075 54 23)										
APR., 1975										
23...	1705	3.2	--	--	--	33	0	40	37	12
SEP.										
16...	1145	.19	40	27	7.0	--	--	56	40	10
01471800 - PINE CREEK NEAR MANATAWNY, PA. (LAT 40 24 43 LONG 075 44 02)										
APR., 1975										
23...	1135	10	--	--	--	23	0	19	14	4.0
SEP.										
17...	0920	6.5	70	6.4	6.5	--	--	30	12	5.0

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DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)
01446900 - BUSH KILL CREEK NEAR EASTON, PA. (LAT 40 42 38 LONG 075 14 46)										
APR., 1975 30...	3.1	.02	3.1	.00	.26	.26	3.4	.05	.04	--
01449355 - MIDDLE CREEK AT KRESGEVILLE, PA. (LAT 40 54 03 LONG 075 29 50)										
MAY , 1975 01...	.35	.00	.35	.00	.05	.05	.40	.00	.00	--
01451110 - MOKENDAUQUA CREEK NR NORTHAMPTON, PA. (LAT 40 42 50 LONG 075 29 45)										
APR., 1975 30...	1.5	.01	1.5	.01	.24	.25	1.8	.01	.00	--
01451165 - CATASAUQUA CREEK AT CATASAUQUA, PA. (LAT 40 38 52 LONG 075 28 06)										
APR., 1975 30...	5.2	.03	5.2	.00	.28	.28	5.5	.01	.00	--
01457790 - COOKS CR AT DURHAM FURNACE, PA. (LAT 40 34 56 LONG 075 12 20)										
APR., 1975 23...	1.7	--	--	--	--	--	--	--	.00	--
SEP. 16...	2.9	.05	--	.03	.09	.12	--	--	--	180
01459150 - TOHICKON CR NR QUAKERTOWN, PA. (LAT 40 26 33 LONG 075 18 33)										
APR., 1975 23...	3.4	--	--	--	--	--	--	--	2.4	--
SEP. 16...	5.9	.20	--	.52	.58	1.1	--	--	--	430
01462300 - JERICO CR AT WASHINGTON CROSSING, PA. (LAT 40 18 40 LONG 075 54 23)										
APR., 1975 23...	3.1	--	--	--	--	--	--	--	.00	--
SEP. 16...	6.2	.06	--	.03	.14	.17	--	--	--	210
01471800 - PINE CREEK NEAR MANATAWNY, PA. (LAT 40 24 43 LONG 075 44 02)										
APR., 1975 23...	.68	--	--	--	--	--	--	--	.00	--
SEP. 17...	.94	.05	--	.02	.11	.13	--	--	--	100

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	HARDNESS (CA,MG) (MG/L)	TOTAL ACIDITY AS CACO3 (MG/L)	TOTAL ACIDITY AS H+ (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)
01446900 - BUSH KILL CREEK NEAR EASTON, PA. (LAT 40 42 38 LONG 075 14 46)									
APR., 1975									
30...	--	.0	.0	387	--	15.0	--	--	--
01449355 - MIDDLE CREEK AT KRESGEVILLE, PA. (LAT 40 54 03 LONG 075 29 50)									
MAY , 1975									
01...	--	.0	.0	29	--	9.0	--	--	--
01451110 - HOKENDAUQUA CREEK NR NORTHAMPTON, PA. (LAT 40 42 50 LONG 075 29 45)									
APR., 1975									
30...	--	.0	.0	149	--	15.5	--	--	--
01451165 - CATASAUQUA CREEK AT CATASAUQUA, PA. (LAT 40 38 52 LONG 075 28 06)									
APR., 1975									
30...	--	.0	.0	461	--	13.5	--	--	--
01457790 - COOKS CR AT DURHAM FURNACE, PA. (LAT 40 34 56 LONG 075 12 20)									
APR., 1975									
23...	--	--	--	226	--	15.0	--	--	--
SEP.									
16...	100	--	--	250	7.6	13.0	<5	12.0	.1
01459150 - TOHICKON CR NR QUAKERTOWN, PA. (LAT 40 26 33 LONG 076 18 33)									
APR., 1975									
23...	--	5.0	.1	615	--	14.5	--	--	--
SEP.									
16...	200	--	--	500	7.2	16.5	20	7.9	3.0
01462300 - JERICO CR AT WASHINGTON CROSSING, PA. (LAT 40 18 40 LONG 075 54 23)									
APR., 1975									
23...	--	--	--	215	--	16.5	--	--	--
SEP.									
16...	99	--	--	270	7.4	17.0	<5	11.5	.5
01471800 - PINE CREEK NEAR MANATAWNY, PA. (LAT 40 24 43 LONG 075 44 02)									
APR., 1975									
23...	--	2.0	.0	88	--	10.5	--	--	--
SEP.									
17...	42	--	--	100	6.9	12.0	<5	11.2	.3

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
01472054 - PIGEON CREEK NEAR BUCKTOWN, PA. (LAT 40 11 50 LONG 075 40 10)												
OCT., 1974 24...	1230	14	110	60	12	3.5	5.4	1.1	32	0	26	18
01472065 - PIGEON CREEK NEAR PORTERS MILL, PA. (LAT 40 11 27 LONG 075 38 10)												
OCT., 1974 24...	1110	15	90	50	12	3.9	6.0	.9	38	0	31	17
01472080 - PIGEON CREEK NEAR PARKER FORD, PA. (LAT 40 12 03 LONG 075 37 10)												
OCT., 1974 24...	1030	16	110	60	14	4.5	6.9	1.5	41	0	34	20
01472109 - STONY RUN NEAR SPRING CITY, PA. (LAT 40 10 11 LONG 075 34 45)												
OCT., 1974 24...	0945	18	120	90	33	9.0	36	7.0	79	0	65	25
01472110 - STONY RUN AT SPRING CITY, PA. (LAT 40 10 01 LONG 075 32 57)												
OCT., 1974 24...	0900	15	60	50	22	6.5	15	4.9	66	0	54	29
01472126 - FRENCH CREEK NEAR TRYTHALL, PA. (LAT 40 12 00 LONG 075 45 53)												
OCT., 1974 24...	1400	9.9	180	80	6.5	2.2	2.8	.7	25	0	21	0.7
01472129 - FRENCH CREEK NEAR KNAURERTOWN, PA. (LAT 40 11 09 LONG 075 45 28)												
OCT., 1974 24...	1430	12	160	60	18	3.1	3.0	1.0	33	0	27	9.1
01472138 - FRENCH CREEK NEAR COVENTRYVILLE, PA. (LAT 40 10 14 LONG 075 41 50)												
OCT., 1974 24...	1515	19	130	40	17	3.0	6.3	1.7	44	0	36	14
01472140 - S BR FRENCH CR AT COVENTRYVILLE, PA. (LAT 40 09 18 LONG 075 42 52)												
OCT., 1974 25...	0900	15	140	50	13	5.0	4.5	1.2	17	0	15	12
01472154 - FRENCH CREEK NEAR PUGHTOWN, PA. (LAT 40 09 14 LONG 075 38 25)												
OCT., 1974 25...	0945	16	150	40	15	4.6	6.3	1.6	40	0	33	15
01472157 - FRENCH CREEK NEAR PHOENIXVILLE, PA. (LAT 40 09 05 LONG 075 36 06)												
OCT., 1974 25...	1015	16	100	20	17	4.9	6.5	1.7	44	0	36	13

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
01472054 - PIGEON CREEK NEAR BUCKTOWN, PA. (LAT 40 11 50 LONG 075 40 10)												
OCT., 1974 24...	3.9	.2	.79	.02	.27	.29	.03	.02	79	74	44	10
01472065 - PIGEON CREEK NEAR PORTERS MILL, PA. (LAT 40 11 27 LONG 075 38 10)												
OCT., 1974 24...	5.0	.2	1.1	.01	.35	.36	.03	.02	90	79	46	15
01472080 - PIGEON CREEK NEAR PARKER FORD, PA. (LAT 40 12 03 LONG 075 37 10)												
OCT., 1974 24...	6.2	.2	1.6	.02	.40	.42	.05	.00	95	90	54	20
01472109 - STONY RUN NEAR SPRING CITY, PA. (LAT 40 10 11 LONG 075 34 45)												
OCT., 1974 24...	64	.2	3.0	.20	.76	.96	4.7	1.2	249	231	120	55
01472110 - STONY RUN AT SPRING CITY, PA. (LAT 40 10 01 LONG 075 32 57)												
OCT., 1974 24...	21	.1	4.1	.17	.58	.75	.44	.40	175	146	82	20
01472126 - FRENCH CREEK NEAR TRYTHALL, PA. (LAT 40 12 08 LONG 075 45 53)												
OCT., 1974 24...	2.3	.1	.11	.02	.20	.22	.02	.01	56	44	25	5
01472129 - FRENCH CREEK NEAR KNAURERTOWN, PA. (LAT 40 11 09 LONG 075 45 28)												
OCT., 1974 24...	3.7	.2	.25	.03	.26	.29	.03	.01	55	59	38	11
01472138 - FRENCH CREEK NEAR COVENTRYVILLE, PA. (LAT 40 10 14 LONG 075 41 50)												
OCT., 1974 24...	10	.2	2.7	.04	.39	.43	.03	.02	108	93	55	19
01472140 - S BR FRENCH CR AT COVENTRYVILLE, PA. (LAT 40 09 18 LONG 075 42 52)												
OCT., 1974 25...	7.6	.1	.50	.02	.23	.25	.02	.01	92	69	52	37
01472154 - FRENCH CREEK NEAR PUGHTOWN, PA. (LAT 40 09 14 LONG 075 38 25)												
OCT., 1974 25...	9.4	.1	1.2	.04	.36	.40	.02	.02	99	88	56	24
01472157 - FRENCH CREEK NEAR PHOENIXVILLE, PA. (LAT 40 09 05 LONG 075 36 06)												
OCT., 1974 25...	9.5	.2	1.3	.02	.38	.40	.02	.01	99	91	63	27

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
01472054 - PIGEON CREEK NEAR BUCKTOWN, PA. (LAT 40 11 50 LONG 075 40 10)												
OCT., 1974 24...	80	7.2	7.5	10.2	3.2	0	0	0	0	1	3	0
01472065 - PIGEON CREEK NEAR PORTERS MILL, PA. (LAT 40 11 27 LONG 075 38 10)												
OCT., 1974 24...	75	7.5	9.5	11.2	1.9	0	0	0	0	1	4	0
01472080 - PIGEON CREEK NEAR PARKER FORD, PA. (LAT 40 12 03 LONG 075 37 10)												
OCT., 1974 24...	85	7.3	5.5	10.8	3.3	0	0	0	0	2	3	10
01472109 - STONY RUN NEAR SPRING CITY, PA. (LAT 40 10 11 LONG 075 34 45)												
OCT., 1974 24...	430	7.6	5.0	9.0	3.2	0	0	0	0	1	5	20
01472110 - STONY RUN AT SPRING CITY, PA. (LAT 40 10 01 LONG 075 32 57)												
OCT., 1974 24...	165	7.7	4.0	9.2	2.1	1	0	0	0	1	4	10
01472126 - FRENCH CREEK NEAR TRYTHALL, PA. (LAT 40 12 00 LONG 075 45 53)												
OCT., 1974 24...	45	8.4	11.0	--	.2	0	0	0	0	2	0	10
01472129 - FRENCH CREEK NEAR KNAURERTOWN, PA. (LAT 40 11 09 LONG 075 45 28)												
OCT., 1974 24...	55	8.2	9.0	10.1	.3	0	0	0	0	2	1	40
01472138 - FRENCH CREEK NEAR COVENTRYVILLE, PA. (LAT 40 10 14 LONG 075 41 50)												
OCT., 1974 24...	100	7.8	10.0	11.0	1.1	0	0	0	0	2	1	10
01472140 - S BR FRENCH CR AT COVENTRYVILLE, PA. (LAT 40 09 18 LONG 075 42 52)												
OCT., 1974 25...	149	7.4	5.5	10.8	1.1	0	0	0	0	2	4	10
01472154 - FRENCH CREEK NEAR PUGHTOWN, PA. (LAT 40 09 14 LONG 075 38 25)												
OCT., 1974 25...	70	7.3	6.0	10.1	3.2	0	0	0	10	2	4	10
01472157 - FRENCH CREEK NEAR PHOENIXVILLE, PA. (LAT 40 09 05 LONG 075 36 06)												
OCT., 1974 25...	70	7.3	6.5	11.5	3.5	0	0	0	0	2	3	10

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
01472161 - FRENCH CREEK AT PHOENIXVILLE, PA. (LAT 40 08 07 LONG 075 31 05)												
OCT., 1974 25...	1100	12	80	120	35	11	28	3.4	83	0	68	70
01472170 - PICKERING CREEK NEAR EAGLE, PA. (LAT 40 04 43 LONG 075 39 14)												
OCT., 1974 23...	1450	19	140	40	16	5.8	6.0	2.0	46	0	38	13
01472174 - PICKERING CREEK NEAR CHESTER SPRINGS, PA. (LAT 40 05 22 LONG 075 37 50)												
OCT., 1974 23...	1400	18	120	40	18	5.0	6.0	1.8	51	0	42	13
01472186 - PICKERING CREEK NEAR MARLIN, PA. (LAT 40 04 58 LONG 075 35 31)												
OCT., 1974 23...	1315	18	140	40	18	5.2	6.4	2.0	52	0	43	15
01472188 - PICKERING CREEK AT CHARLESTOWN, PA. (LAT 40 06 05 LONG 075 34 17)												
OCT., 1974 23...	1230	18	150	40	17	5.4	6.6	2.0	50	0	41	15
01472191 - PICKERING CREEK NEAR PHOENIXVILLE, PA. (LAT 40 06 33 LONG 075 31 42)												
OCT., 1974 23...	1100		120	0	18	5.6	7.0	1.7	53	0	43	18
01473167 - LITTLE VALLEY CR NR VALLEY FORGE, PA. (LAT 40 03 51 LONG 075 28 22)												
OCT., 1974 23...	0930	7.1	10	30	51	18	27	2.4	180	0	148	38
01473168 - VALLEY CREEK NR VALLEY FORGE, PA. (LAT 40 04 08 LONG 075 28 25)												
OCT., 1974 23...	1015	6.3	20	20	43	28	20	2.2	225	0	185	34
01475300 - DARBY CR AT WATERLOO MILLS NR DEVON, PA. (LAT 40 01 21 LONG 075 25 20)												
OCT., 1974 22...	1330	18	50	10	15	6.0	6.5	2.0	48	0	39	13
01475830 - EAST BRANCH CRUM CREEK NEAR PAOLI, PA. (LAT 40 00 28 LONG 075 27 55)												
OCT., 1974 22...	1500	15	120	50	12	7.2	7.5	1.3	49	0	40	13
01475840 - WEST BRANCH CRUM CREEK NEAR PAOLI, PA. (LAT 39 59 52 LONG 075 27 38)												
OCT., 1974 22...	1535	15	90	20	12	7.2	8.3	1.5	50	0	41	18

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
01472161 - FRENCH CREEK AT PHOENIXVILLE, PA. (LAT 40 08 07 LONG 075 31 05)												
OCT., 1974 25...	37	.2	2.2	.21	.60	.81	.19	.13	259	238	130	65
01472170 - PICKERING CREEK NEAR EAGLE, PA. (LAT 40 04 43 LONG 075 39 14)												
OCT., 1974 23...	17	.1	1.9	.08	.78	.86	.04	.02	123	102	64	26
01472174 - PICKERING CREEK NEAR CHESTER SPRINGS, PA. (LAT 40 05 22 LONG 075 37 50)												
OCT., 1974 23...	15	.1	2.0	.07	.57	.64	.02	.01	107	102	66	24
01472186 - PICKERING CREEK NEAR MARLIN, PA. (LAT 40 04 58 LONG 075 35 31)												
OCT., 1974 23...	14	.1	1.6	.07	.90	.97	.04	.02	109	105	66	24
01472188 - PICKERING CREEK AT CHARLESTOWN, PA. (LAT 40 06 05 LONG 075 34 17)												
OCT., 1974 23...	14	.2	1.5	.10	.72	.82	.03	.02	115	103	65	24
01472191 - PICKERING CREEK NEAR PHOENIXVILLE, PA. (LAT 40 06 33 LONG 075 31 42)												
OCT., 1974 23...	14	.2	1.6	.12	.73	.85	.03	.02	124	108	68	25
01473167 - LITTLE VALLEY CR NR VALLEY FORGE, PA. (LAT 40 03 51 LONG 075 28 22)												
OCT., 1974 23...	47	.4	3.1	.19	1.1	1.3	.19	.17	297	280	200	54
01473168 - VALLEY CREEK NR VALLEY FORGE, PA. (LAT 40 04 08 LONG 075 28 25)												
OCT., 1974 23...	29	.2	2.0	.08	1.1	1.2	.08	.04	284	274	220	38
01475300 - DARBY CR AT WATERLOO MILLS NR DEVON, PA. (LAT 40 01 21 LONG 075 25 28)												
OCT., 1974 22...	11	.1	2.0	.06	.62	.68	.02	.01	101	95	62	2[illegible]
01475830 - EAST BRANCH CRUM CREEK NEAR PAOLI, PA. (LAT 40 00 28 LONG 075 27 55)												
OCT., 1974 22...	11	.2	2.0	.13	.86	.99	.03	.01	101	92	60	19
01475840 - WEST BRANCH CRUM CREEK NEAR PAOLI, PA. (LAT 39 59 52 LONG 075 27 38)												
OCT., 1974 22...	12	.2	2.0	.09	.95	1.0	.02	.01	99	96	60	19

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
01472161 - FRENCH CREEK AT PHOENIXVILLE, PA. (LAT 40 08 07 LONG 075 31 05)												
OCT., 1974 25...	245	7.4	14.5	10.4	5.3	3	10	0	10	3	14	30
01472170 - PICKERING CREEK NEAR EAGLE, PA. (LAT 40 04 43 LONG 075 39 14)												
OCT., 1974 23...	135	7.7	10.5	10.6	1.5	1	0	0	10	2	3	10
01472174 - PICKERING CREEK NEAR CHESTER SPRINGS, PA. (LAT 40 05 22 LONG 075 37 50)												
OCT., 1974 23...	125	7.5	9.5	10.8	2.6	0	0	0	0	1	2	10
01472186 - PICKERING CREEK NEAR MARLIN, PA. (LAT 40 04 58 LONG 075 35 31)												
OCT., 1974 23...	125	8.2	8.5	10.4	.5	0	0	0	0	2	5	10
01472188 - PICKERING CREEK AT CHARLESTOWN, PA. (LAT 40 06 05 LONG 075 34 17)												
OCT., 1974 23...	130	7.7	9.0	11.1	1.6	0	0	0	10	2	2	10
01472191 - PICKERING CREEK NEAR PHOENIXVILLE, PA. (LAT 40 06 33 LONG 075 31 42)												
OCT., 1974 23...	185	7.6	6.5	11.0	2.1	0	0	0	0	2	3	10
01473167 - LITTLE VALLEY CR NR VALLEY FORGE, PA. (LAT 40 03 51 LONG 075 28 22)												
OCT., 1974 23...	350	7.7	6.5	10.4	5.7	0	0	0	10	1	4	10
01473168 - VALLEY CREEK NR VALLEY FORGE, PA. (LAT 40 04 08 LONG 075 28 25)												
OCT., 1974 23...	355	7.5	7.0	11.4	11	0	0	0	10	1	2	20
01475300 - DARBY CR AT WATERLOO MILLS NR DEVON, PA. (LAT 40 01 21 LONG 075 25 20)												
OCT., 1974 22...	110	7.2	7.5	11.2	4.8	1	0	0	10	2	3	10
01475830 - EAST BRANCH CRUM CREEK NEAR PAOLI, PA. (LAT 40 00 28 LONG 075 27 55)												
OCT., 1974 22...	105	7.4	7.0	10.2	3.1	0	0	0	0	2	2	10
01475840 - WEST BRANCH CRUM CREEK NEAR PAOLI, PA. (LAT 39 59 52 LONG 075 27 38)												
OCT., 1974 22...	120	7.3	7.5	10.2	4.0	0	0	0	0	1	2	10

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
01475850 - CRUM CR NR NEWTOWN SQUARE, PA. (LAT 39 58 37 LONG 075 26 10)									
APR., 1975									
22...	0915	21	--	--	--	44	0	36	14
SEP.									
16...	0915	12	120	12	7.3	--	--	44	14

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
01476430 - RIDLEY CREEK NEAR GOSHENVILLE, PA. (LAT 39 59 26 LONG 075 32 38)												
OCT., 1974												
23...	0815	12	90	30	11	6.1	8.1	1.2	36	0	30	15
01476435 - RIDLEY CREEK NEAR DUTTON MILL, PA. (LAT 39 58 50 LONG 075 31 00)												
OCT., 1974												
22...	1600	15	160	40	10	6.4	7.1	1.8	38	0	31	13
01476790 - CHESTER CREEK NEAR WEST CHESTER, PA. (LAT 39 59 49 LONG 075 35 40)												
OCT., 1974												
29...	1415	8.9	30	30	20	6.2	8.6	1.6	11	0	9	16
01476830 - CHESTER CREEK NEAR MILLTOWN, PA. (LAT 39 58 21 LONG 075 32 57)												
OCT., 1974												
29...	1530	9.9	80	100	18	7.5	8.1	4.0	55	0	45	20
01476835 - CHESTER CREEK AT WESTTOWN SCHOOL, PA. (LAT 39 56 21 LONG 075 32 28)												
OCT., 1974												
29...	1600	18	180	140	19	8.0	10	3.4	59	0	48	24
01476840 - GOOSE CREEK NEAR WEST CHESTER, PA. (LAT 39 56 01 LONG 075 33 31)												
OCT., 1974												
29...	1630	21	140	200	44	14	100	32	163	0	134	99
01478120 - WHITE CLAY CREEK NEAR AVONDALE, PA. (LAT 39 49 39 LONG 075 46 52)												
OCT., 1974												
30...	1035	12	30	20	29	12	6.2	2.4	110	0	90	23

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA,MG) (MG/L)
01475850 - CRUM CR NR NEWTOWN SQUARE, PA. (LAT 39 58 37 LONG 075 26 18)									
APR., 1975									
22...	13	2.3	--	--	--	--	.01	--	--
SEP.									
16...	13	2.6	.06	.02	.12	.14	--	130	59

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
01476430 - RIDLEY CREEK NEAR GOSHENVILLE, PA. (LAT 39 59 26 LONG 075 32 38)												
OCT., 1974												
23...	11	.2	2.4	.04	.73	.77	.17	.15	92	82	53	23
01476435 - RIDLEY CREEK NEAR DUTTON MILL, PA. (LAT 39 58 50 LONG 075 31 00)												
OCT., 1974												
22...	12	.2	2.1	.07	1.2	1.3	.09	.07	89	84	51	20
01476790 - CHESTER CREEK NEAR WEST CHESTER, PA. (LAT 39 59 49 LONG 075 35 40)												
OCT., 1974												
29...	23	.1	4.7	.02	.38	.40	.03	.02	124	90	75	66
01476830 - CHESTER CREEK NEAR MILLTOWN, PA. (LAT 39 58 21 LONG 075 32 57)												
OCT., 1974												
29...	19	.1	2.2	.07	1.0	1.1	.20	.05	127	114	76	31
01476835 - CHESTER CREEK AT WESTTOWN SCHOOL, PA. (LAT 39 56 21 LONG 075 32 28)												
OCT., 1974												
29...	16	.2	2.0	.61	.78	1.4	.59	.48	142	128	80	32
01476840 - GOOSE CREEK NEAR WEST CHESTER, PA. (LAT 39 54 01 LONG 075 33 31)												
OCT., 1974												
29...	150	.7	7.9	.60	4.8	5.4	6.3	5.1	564	542	170	34
01478120 - WHITE CLAY CREEK NEAR AVONDALE, PA. (LAT 39 49 39 LONG 075 46 52)												
OCT., 1974												
30...	13	.1	4.5	.02	.36	.38	.03	.02	173	152	120	32

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ACIDITY AS CACO3 (MG/L)	TOTAL ACIDITY AS H+ (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)
01475850 - CRUM CR NR NEWTOWN SQUARE, PA. (LAT 39 58 37 LONG 075 26 18)								
APR., 1975 22...	4.0	.1	158	--	8.5	--	--	--
SEP. 16...	--	--	160	6.8	14.5	<5	11.4	.5

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
01476430 - RIDLEY CREEK NEAR GOSHENVILLE, PA. (LAT 39 59 26 LONG 075 32 38)												
OCT., 1974 23...	95	7.0	4.0	13.5	5.8	0	0	0	10	2	2	0
01476435 - RIDLEY CREEK NEAR DUTTON MILL, PA. (LAT 39 58 50 LONG 075 31 00)												
OCT., 1974 22...	115	7.5	10.5	9.7	1.9	0	0	0	10	2	3	0
01476790 - CHESTER CREEK NEAR WEST CHESTER, PA. (LAT 39 59 49 LONG 075 35 40)												
OCT., 1974 29...	214	6.6	12.5	7.8	4.4	1	0	0	10	2	5	10
01476830 - CHESTER CREEK NEAR MILLTOWN, PA. (LAT 39 58 21 LONG 075 32 57)												
OCT., 1974 29...	140	7.1	14.0	8.8	7.0	1	0	0	0	1	1	10
01476835 - CHESTER CREEK AT WESTTOWN SCHOOL, PA. (LAT 39 56 21 LONG 075 32 28)												
OCT., 1974 29...	132	6.8	13.5	9.2	15	0	0	0	0	1	3	10
01476840 - GOOSE CREEK NEAR WEST CHESTER, PA. (LAT 39 56 01 LONG 075 33 31)												
OCT., 1974 29...	700	7.3	16.0	6.5	13	4	10	0	50	3	6	90
01478120 - WHITE CLAY CREEK NEAR AVONDALE, PA. (LAT 39 49 39 LONG 075 46 52)												
OCT., 1974 30...	293	7.1	11.5	9.0	14	0	0	0	0	0	3	10

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
01478150 - EAST BRANCH WHITE CLAY CR NR LANDENBERG, PA. (LAT 39 46 40 LONG 075 46 28)									
APR., 1975									
22...	1215	43	--	--	--	79	1	66	26
SEP.									
17...	1545	27	60	29	7.0	--	--	82	24

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
01478190 - WHITE CLAY CREEK NEAR WICKERTON, PA. (LAT 39 47 44 LONG 075 49 27)												
OCT., 1974												
30...	1105	13	80	30	13	5.5	7.5	3.2	43	0	35	13
01478220 - W BR WHITE CLAY CR NR CHESTERVILLE, PA. (LAT 39 45 56 LONG 075 47 47)												
OCT., 1974												
30...	1145	12	90	40	9.7	3.8	5.5	2.6	30	0	25	12

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
01479700 - WEST BRANCH RED CLAY CR NR KENNETT SQUARE, PA. (LAT 39 48 39 LONG 075 42 19)									
APR., 1975									
22...	1050	26	--	--	--	65	0	53	28
SEP.									
17...	1300	23	190	25	8.8	--	--	66	16

DATE	TIME	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
01479780 - RED CLAY CREEK NEAR KENNETT SQUARE, PA. (LAT 39 50 13 LONG 075 43 33)												
OCT., 1974												
30...	1015	14	70	30	22	10	7.0	2.8	78	0	64	21
01479800 - RED CLAY CREEK NEAR FIVE POINT, PA. (LAT 39 49 11 LONG 075 41 29)												
OCT., 1974												
30...	0945	14	50	20	24	10	10	3.2	65	0	53	20

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DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA,MG) (MG/L)
01478150 - EAST BRANCH WHITE CLAY CR NR LANDENBERG, PA. (LAT 39 46 40 LONG 075 46 28)									
APR., 1975									
22...	16	4.2	--	--	--	--	.04	--	--
SEP.									
17...	17	4.8	.06	.04	.05	.09	--	210	100

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
01478190 - WHITE CLAY CREEK NEAR WICKERTON, PA. (LAT 39 47 44 LONG 075 49 27)												
OCT., 1974												
30...	12	.1	4.2	.17	.61	.78	.34	.29	113	89	55	20
01478220 - W BR WHITE CLAY CR NR CHESTERVILLE, PA. (LAT 39 45 56 LONG 075 47 47)												
OCT., 1974												
30...	8.8	.1	3.2	.03	.53	.56	.02	.01	80	69	40	15

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA,MG) (MG/L)
01479700 - WEST BRANCH RED CLAY CR NR KENNETT SQUARE, PA. (LAT 39 48 39 LONG 075 42 19)									
APR., 1975									
22...	17	5.1	--	--	--	--	.42	--	--
SEP.									
17...	21	4.6	.14	.14	.17	.31	--	210	97

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
01479780 - RED CLAY CREEK NEAR KENNETT SQUARE, PA. (LAT 39 50 13 LONG 075 43 33)												
OCT., 1974												
30...	11	.2	4.3	.05	.43	.48	.05	.03	149	127	96	32
01479800 - RED CLAY CREEK NEAR FIVE POINT, PA. (LAT 39 49 11 LONG 075 41 29)												
OCT., 1974												
30...	17	.1	8.1	.04	.49	.53	.03	.03	168	138	100	48

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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DATE	TOTAL ACIDITY AS CACO3 (MG/L)	TOTAL ACIDITY AS H+ (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)
01478150 - EAST BRANCH WHITE CLAY CR NR LANDENBERG, PA. (LAT 39 46 40 LONG 075 46 28)								
APR., 1975								
22...	.0	.0	264	--	10.0	--	--	--
SEP.								
17...	--	--	260	7.9	17.0	<5	10.4	.3

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
01478190 - WHITE CLAY CREEK NEAR WICKERTON, PA. (LAT 39 47 44 LONG 075 49 27)											
OCT., 1974											
30...	180	7.0	12.5	6.9	0	0	0	0	0	4	10
01478220 - W BR WHITE CLAY CR NR CHESTERVILLE, PA. (LAT 39 45 56 LONG 075 47 47)											
OCT., 1974											
30...	130	6.9	12.5	6.0	0	0	0	0	0	2	20

DATE	TOTAL ACIDITY AS CACO3 (MG/L)	TOTAL ACIDITY AS H+ (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)
01479700 - WEST BRANCH RED CLAY CR NR KENNETT SQUARE, PA. (LAT 39 48 39 LONG 075 42 19)								
APR., 1975								
22...	4.0	.1	246	--	9.0	--	--	--
SEP.								
17...	--	--	250	7.0	17.0	8	10.8	1.3

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
01479780 - RED CLAY CREEK NEAR KENNETT SQUARE, PA. (LAT 39 50 13 LONG 075 43 33)												
OCT., 1974												
30...	240	7.1	11.5	10.2	9.9	0	0	0	0	0	3	0
01479800 - RED CLAY CREEK NEAR FIVE POINT, PA. (LAT 39 49 11 LONG 075 41 29)												
OCT., 1974												
30...	260	7.0	11.0	--	10	0	0	0	0	0	3	10

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
01480430 - W BR BRANDYWINE CR NR COATESVILLE, PA. (LAT 40 00 17 LONG 075 49 31)												
OCT., 1974 29...	1000	14	130	30	17	6.2	6.3	2.4	48	0	39	16
01480629 - BUCK RUN NEAR DOE RUN, PA. (LAT 39 55 44 LONG 075 49 47)												
OCT., 1974 29...	1035	8.0	140	60	17	6.2	8.1	2.0	45	0	37	15
01480632 - DOE RUN NEAR SPRINGDALE, PA. (LAT 39 54 21 LONG 075 49 42)												
OCT., 1974 29...	1100	8.5	60	0	10	4.2	4.2	1.6	25	0	21	6.1
01480640 - WEST BRANCH BRANDYWINE CREEK AT WAWASET, PA. (LAT 39 55 34 LONG 075 39 47)												
OCT., 1974 29...	1130	8.5	100	30	20	7.0	11	3.2	56	0	46	21
01480647 - E BR BRANDYWINE CR NR STRUBLE DAM, PA. (LAT 40 06 05 LONG 075 51 40)												
OCT., 1974 25...	1340	20	70	100	18	6.2	7.2	1.8	43	0	35	12
01480648 - EAST BRANCH BRANDYWINE CREEK NEAR CUPOLA, PA. (LAT 40 05 41 LONG 075 51 14)												
OCT., 1974 25...	1405	24	50	70	17	5.1	7.1	1.7	48	--	39	9.3
01480655 - EAST BRANCH BRANDYWINE CREEK NEAR GLENMORE, PA. (LAT 40 04 25 LONG 075 49 01)												
OCT., 1974 25...	1300	19	70	20	15	5.0	6.6	1.4	52	0	43	10
01480656 - INDIAN RUN NEAR SPRINGTON, PA. (LAT 40 04 30 LONG 075 46 57)												
OCT., 1974 25...	1500	25	40	0	16	4.0	7.1	1.0	58	0	48	7.9
01480700 - EAST BR BRANDYWINE CR NR DOWNINGTOWN, PA. (LAT 40 02 05 LONG 075 42 32)												
OCT., 1974 29...	0915	13	330	140	14	5.0	7.5	2.0	45	0	37	15
01480950 - EAST BRANCH BRANDYWINE CREEK AT WAWASET, PA. (LAT 39 55 31 LONG 075 38 55)												
OCT., 1974 29...	1145	11	190	80	25	10	15	3.1	93	0	76	27
01494900 - ELK CREEK AT ELKVIEW, PA. (LAT 39 48 45 LONG 075 54 04)												
OCT., 1974 30...	0100	9.8	80	30	8.5	3.6	5.0	1.8	25	0	21	5.0
01494950 - ELK CREEK NEAR OXFORD, PA. (LAT 39 46 45 LONG 075 55 27)												
OCT., 1974 30...	1235	9.3	90	30	8.0	3.9	6.0	2.6	24	0	20	6.3

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
01480430 - W BR BRANDYWINE CR NR COATESVILLE, PA. (LAT 40 00 17 LONG 075 49 31)												
OCT., 1974 29...	13	.2	2.1	.03	.38	.41	.02	.01	115	99	68	29
01480629 - BUCK RUN NEAR DOE RUN, PA. (LAT 39 55 44 LONG 075 49 47)												
OCT., 1974 29...	17	.1	3.8	.08	.63	.71	.15	.13	122	96	68	31
01480632 - DOE RUN NEAR SPRINGDALE, PA. (LAT 39 54 21 LONG 075 49 42)												
OCT., 1974 29...	10	.2	3.2	.01	.41	.42	.01	.01	88	57	42	22
01480640 - WEST BRANCH BRANDYWINE CREEK AT WAWASET, PA. (LAT 39 55 34 LONG 075 39 47)												
OCT., 1974 29...	19	.3	2.9	.01	.52	.53	.19	.17	135	118	79	33
01480647 - E BR BRANDYWINE CR NR STRUBLE DAM, PA. (LAT 40 06 05 LONG 075 51 40)												
OCT., 1974 25...	13	.1	.63	.05	.53	.58	.07	.04	134	100	70	35
01480648 - EAST BRANCH BRANDYWINE CREEK NEAR CUPOLA, PA. (LAT 40 05 41 LONG 075 51 14)												
OCT., 1974 25...	9.2	.2	3.4	.03	.54	.57	.04	.02	120	97	63	24
01480655 - EAST BRANCH BRANDYWINE CREEK NEAR GLENMORE, PA. (LAT 40 04 25 LONG 075 49 01)												
OCT., 1974 25...	8.7	.2	2.7	.02	.61	.63	.02	.01	106	92	58	15
01480656 - INDIAN RUN NEAR SPRINGTON, PA. (LAT 40 04 30 LONG 075 46 57)												
OCT., 1974 25...	7.3	.2	2.7	.01	.46	.47	.04	.03	130	97	56	9
01480700 - EAST BR BRANDYWINE CR NR DOWNINGTOWN, PA. (LAT 40 02 05 LONG 075 42 32)												
OCT., 1974 29...	13	.2	1.4	.10	.45	.55	.02	.01	114	92	56	19
01480950 - EAST BRANCH BRANDYWINE CREEK AT WAWASET, PA. (LAT 39 55 31 LONG 075 38 55)												
OCT., 1974 29...	19	.2	1.7	.48	.84	1.3	.53	.43	177	156	100	27
01494900 - ELK CREEK AT ELKVIEW, PA. (LAT 39 48 45 LONG 075 54 06)												
OCT., 1974 30...	8.5	.0	3.8	.06	.54	.60	.09	.07	71	55	36	16
01494950 - ELK CREEK NEAR OXFORD, PA. (LAT 39 46 45 LONG 075 55 27)												
OCT., 1974 30...	11	.0	4.7	.09	.56	.65	.18	.14	77	59	36	16

DELAWARE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
01480430 - W BR BRANDYWINE CR NR COATESVILLE, PA. (LAT 40 00 17 LONG 075 49 31)												
OCT., 1974 29...	90	6.8	8.0	10.0	12	1	0	1	10	1	2	10
01480629 - BUCK RUN NEAR DOE RUN, PA. (LAT 39 55 44 LONG 075 49 47)												
OCT., 1974 29...	103	6.9	9.5	11.2	9.1	0	0	0	0	1	2	10
01480632 - DOE RUN NEAR SPRINGDALE, PA. (LAT 39 54 21 LONG 075 49 42)												
OCT., 1974 29...	65	6.9	11.0	10.8	5.0	0	0	0	10	1	0	10
01480640 - WEST BRANCH BRANDYWINE CREEK AT WAWASET, PA. (LAT 39 55 34 LONG 075 39 47)												
OCT., 1974 29...	121	7.0	11.0	9.9	9.0	0	0	0	0	1	17	90
01480647 - E BR BRANDYWINE CR NR STRUBLE DAM, PA. (LAT 40 06 05 LONG 075 51 40)												
OCT., 1974 25...	105	7.3	10.5	8.1	3.4	0	0	0	0	1	2	20
01480648 - EAST BRANCH BRANDYWINE CREEK NEAR CUPOLA, PA. (LAT 40 05 41 LONG 075 51 14)												
OCT., 1974 25...	85	--	9.5	--	--	0	0	0	0	1	4	10
01480655 - EAST BRANCH BRANDYWINE CREEK NEAR GLENMORE, PA. (LAT 40 04 25 LONG 075 49 01)												
OCT., 1974 25...	75	7.8	9.0	9.5	1.3	1	0	0	0	1	3	20
01480656 - INDIAN RUN NEAR SPRINGTON, PA. (LAT 40 04 30 LONG 075 46 57)												
OCT., 1974 25...	80	7.7	9.5	9.8	1.9	0	0	0	0	1	3	30
01480700 - EAST BR BRANDYWINE CR NR DOWNINGTOWN, PA. (LAT 40 02 05 LONG 075 42 32)												
OCT., 1974 29...	90	6.9	9.5	10.8	9.1	1	0	0	0	1	2	10
01480950 - EAST BRANCH BRANDYWINE CREEK AT WAWASET, PA. (LAT 39 55 31 LONG 075 38 55)												
OCT., 1974 29...	162	7.1	12.0	10.1	12	0	0	1	0	2	6	10
01494900 - ELK CREEK AT ELKVIEW, PA. (LAT 39 48 45 LONG 075 54 04)												
OCT., 1974 30...	120	6.9	12.5	--	5.0	0	0	0	10	0	1	30
01494950 - ELK CREEK NEAR OXFORD, PA. (LAT 39 46 45 LONG 075 55 27)												
OCT., 1974 30...	131	7.3	14.0	--	1.9	0	0	0	10	0	2	10

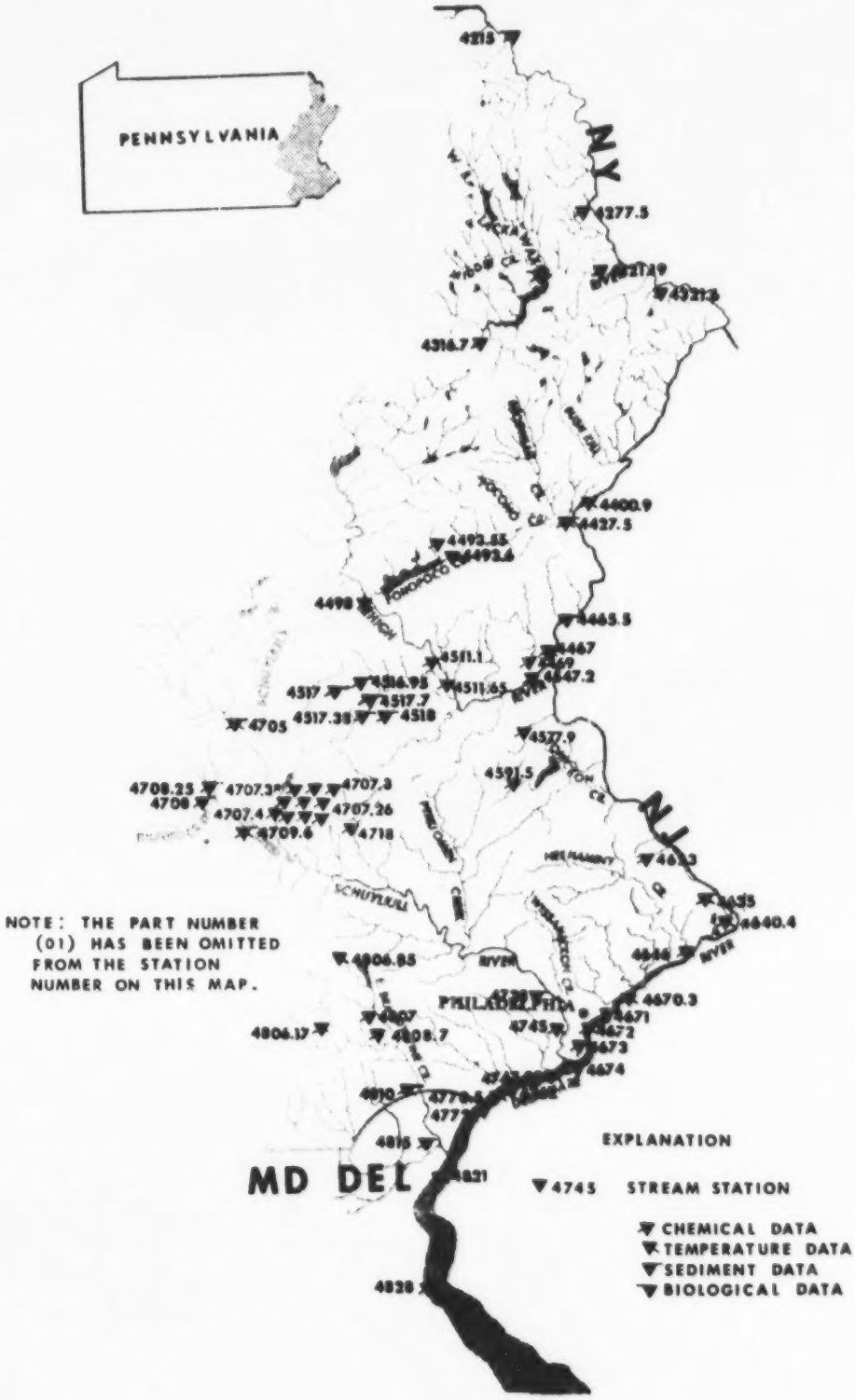

Figure 9.--Map of Delaware River basin showing locations of water-quality stations.

SECTION 3. GROUND-WATER RECORDS

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

BERKS COUNTY

402615075530501. Local number Be-623. Maiden Creek Twp. Water Authority. Drilled unused artesian well in Leithsville Formation, Middle Cambrian age, diam 8 in (20 cm), depth 385 ft (117 m), casing information not available. Lsd 430 ft (131 m) above msl. MP top of casing, 1.30 ft (39 cm) above lsd. Highest water level 118.55 ft (36.134 m), April 15, 1975; lowest water level 130.04 ft (39.636 m), Feb. 1, 1975. Records available: 1975.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5					129.33	125.26	120.13	119.43	120.50	122.38	122.31	126.71
10					129.10	125.06	118.79	119.05	120.96	122.84	122.89	127.36
15					129.08	125.23	118.55	118.92	120.92	122.67	123.71	127.79
20					128.74	124.52	119.14	119.10	121.32	121.02	124.50	128.20
25					127.58	121.96	119.48	119.53	122.16	121.07	125.16	127.35
EOM					126.22	121.10	119.60	119.92	122.21	121.71	126.13	123.69

BUCKS COUNTY

402643075150501. Local number Bk-929. U.S. Geological Survey. Nockamixon State Park. Drilled observation artesian well in shale of Brunswick Formation, Triassic age, diam 6 in (15 cm), depth 116 ft (35.4 m), cased to 27 ft (8.2 m). Lsd 460 ft (140 m) above msl. MP top of plywood cover, 1.05 ft (32 cm) above lsd. Highest water level 44.21 ft (13.475 m), April 3, 1975; lowest water level 58.67 ft (17.883 m), Oct. 26, 1970. Records available: 1967-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.90	47.90	49.29	47.46	45.38	45.08	44.51	45.02	45.49	45.87	45.29	48.24
10	48.52	48.40	48.45	47.13	45.65	45.47	44.64	45.14	45.75	46.19	45.87	48.75
15	48.60	48.68	48.06	46.50	45.98	45.81	44.94	45.07	45.02	46.42	46.53	49.21
20	48.38	48.10	47.23	---	45.76	44.85	45.42	44.81	44.94	45.23	47.10	48.97
25	47.90	48.86	46.96	45.37	44.77	44.76	45.54	45.21	45.18	44.83	47.24	48.91
EOM	47.97	49.45	47.31	45.55	44.92	44.57	45.55	45.29	45.72	45.15	47.89	47.70

CARBON COUNTY

410123075425401. Local number Cb-104. U.S. Geological Survey. Hickory Run State Park. Drilled observation artesian well in shale of Mauch Chunk Formation, Mississippian age, diam 6 in (15 cm), depth 125 ft (38.1 m), cased to 20 ft (6.1 m). Lsd 1,290 ft (393 m) above msl. MP top of casing, 3.00 ft (91 cm) above lsd. Highest water level 21.10 ft (6.431 m), Dec. 28, 1974; lowest water level 83.51 ft (25.454 m), Nov. 8, 1972. Records available: 1969-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.28	62.55	---	43.75	36.07	30.97	32.16	---	50.95	50.04	46.31	67.18
10	51.90	64.52	---	43.90	41.09	36.42	35.24	---	44.68	52.63	---	68.98
15	54.70	---	---	32.21	45.39	42.60	40.67	---	45.30	54.84	---	70.91
20	57.26	57.18	29.18	---	48.15	42.80	45.25	37.40	48.20	---	---	72.40
25	58.60	52.93	33.99	40.20	38.92	29.06	48.50	41.87	51.86	36.62	61.87	71.85
EOM	60.62	51.08	39.64	36.41	27.18	32.72	---	46.93	52.39	41.86	64.90	51.94

CHESTER COUNTY

395450075485401. Local number Ch-10. Robert J. Kleberg, Jr. Doe Run. Drilled unused water-table well in Cockeysville Marble (age uncertain, Lower Paleozoic to Precambrian), diam 6 in (15 cm), depth 34 ft (10.4 m). Lsd 300 ft (91 m) above msl. MP top of wooden cover, 1.00 ft (30 cm) above lsd. Highest water level 8.28 ft (2.524 m), March 30, 1958; lowest water level 16.22 ft (4.944 m), Nov. 3, 1963. Records available: 1951-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.09	14.50	14.26	12.76	11.70	11.23	10.88	10.94	10.90	10.97	10.66	12.16
10	14.29	14.55	12.40	12.22	11.78	11.66	11.27	11.05	10.31	11.34	11.02	12.32
15	14.37	14.60	12.67	11.92	12.06	11.70	11.61	11.37	9.76	8.57	11.25	12.42
20	14.22	14.61	11.74	---	11.73	9.77	11.87	11.54	10.30	9.10	11.40	12.44
25	14.32	14.61	12.21	11.13	10.51	9.80	12.10	11.34	10.81	9.55	11.60	10.37
EOM	14.41	14.69	12.68	11.36	10.68	10.42	11.21	11.78	10.55	10.28	11.97	10.62

DELAWARE COUNTY

395040075341801. Local number De-3. Mrs. Hope W. Ebert. Birmingham Township. Dug unused water-table well in gneiss of Wissahickon Formation (age uncertain, Lower Paleozoic to Precambrian), diam 42 in (107 cm), depth 22 ft (6.7 m), cased with stone. Lsd 260 ft (79 m) above msl. MP top of concrete base, 1.8 ft (55 cm) above lsd. Highest water level 7.90 ft (2.408 m), Aug. 22, 1955; lowest water level dry many times since 1964. Records available: 1950-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	15.10
2	---	---	16.19	---	---	---	---	---	14.19	---	---	---
3	---	---	---	---	12.99	13.24	---	---	---	---	---	---
4	---	16.17	---	---	---	---	---	---	---	---	12.60	---
5	---	---	---	---	---	---	---	14.05	---	---	---	---
6	---	---	---	13.77	---	---	---	---	---	---	---	---
7	16.64	---	---	---	---	---	12.28	---	---	14.23	---	---
8	---	---	---	---	---	---	---	---	---	---	---	15.45
9	---	---	15.75	---	---	---	---	---	13.74	---	---	---
10	---	---	---	---	13.44	13.46	---	---	---	---	---	---
11	---	16.11	---	---	---	---	---	---	---	---	13.49	---
12	---	---	---	---	---	---	---	13.82	---	---	---	---
13	---	---	---	13.81	---	---	---	---	---	---	---	---
14	16.69	---	---	---	---	---	13.60	---	---	13.60	---	---
15	---	---	---	---	---	---	---	---	---	---	---	15.75
16	---	---	15.00	---	---	---	---	---	12.69	---	---	---
17	---	---	---	---	13.78	13.86	---	---	---	---	---	---
18	---	16.11	---	---	---	---	---	---	---	---	14.16	---
19	---	---	---	---	---	---	---	13.73	---	---	---	---
20	---	---	---	13.32	---	---	---	---	---	---	---	---
21	16.49	---	---	---	---	---	14.04	---	---	12.08	---	---
22	---	---	---	---	---	---	---	---	---	---	---	16.01
23	---	---	13.18	---	---	---	---	---	12.81	---	---	---
24	---	---	---	---	13.92	11.81	---	---	---	---	---	---
25	---	16.14	---	---	---	---	---	---	---	---	14.68	---
26	---	---	---	---	---	---	---	13.88	---	---	---	---
27	---	---	---	12.86	---	---	---	---	---	---	---	---
28	16.32	---	---	---	---	---	14.18	---	---	11.82	---	---
29	---	---	13.23	---	---	---	---	---	---	---	---	15.45
30	---	---	---	---	---	---	---	---	13.60	---	---	---
31	---	---	---	---	---	12.25	---	---	---	---	---	---

411310075375501. Local number Lk-4. Commonwealth of Pennsylvania. Lackawanna State Forest. Dug unused water-table well in shale and sandstone of Catskill Formation, Devonian age, diam 36 in (91 cm), depth 10 ft (3.0 m). Lsd 1,190 ft (363 m) above msl. MP wooden cover, 0.4 ft (12 cm) above lsd. Highest water level 1.62 ft (49 cm), March 17, 1972; lowest water level dry, Oct., Nov., 1964. Records available: 1953-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.70	---	---	---	---	---	---	---	---	3.65	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	3.50	---	---	---	---	---	---
4	3.47	---	---	---	---	---	2.93	---	---	---	---	---
5	---	---	---	---	---	---	---	3.20	---	---	---	4.10
6	---	---	3.56	---	---	---	---	---	2.85	---	---	---
7	---	---	---	---	3.61	---	---	---	---	---	3.35	---
8	---	3.73	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	3.31	---	---	---	---
10	---	---	---	3.30	---	---	---	---	---	---	---	---
11	3.62	---	3.39	---	---	---	3.47	---	---	3.77	---	---
12	---	---	---	---	---	---	---	---	---	---	---	4.20
13	---	---	---	---	---	---	---	---	3.17	---	---	---
14	---	---	---	---	3.70	3.51	---	---	---	---	---	---
15	---	3.48	---	---	---	---	---	---	---	---	3.82	---
16	---	---	---	---	---	---	---	2.10	---	---	---	---
17	---	---	---	3.54	---	---	---	---	---	---	---	---
18	3.47	---	3.35	---	---	---	3.50	---	---	3.47	---	---
19	---	---	---	---	---	---	---	---	---	---	---	4.10
20	---	---	---	---	---	---	---	---	3.45	---	---	---
21	---	---	---	---	3.53	2.85	---	---	---	---	---	---
22	---	3.42	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	3.55	---	---	---	---
25	3.62	---	---	---	---	---	3.43	---	---	3.25	3.82	---
26	---	---	---	---	---	---	---	---	---	---	---	2.30
27	---	---	---	---	---	---	---	---	3.65	---	---	---
28	---	---	---	3.63	---	3.45	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	4.20	---
30	---	---	---	---	---	---	---	3.56	---	---	---	---
31	---	---	---	3.37	---	---	---	---	---	---	---	---

LEBANON COUNTY

402207076180801. Local number Lb-372. Kohl Brothers, Inc. Myerstown. Drilled unused artesian well in Dolomite of Ontelaunee Formation, Middle Ordovician age, diam 6 in (15 cm), depth 80 ft (24.4 m), casing information not available. Lsd 444 ft (135 m) above msl. MP top of casing, 3.5 ft (1.07 m) above lsd. Highest water level 5.11 ft (1.557 m), Sept. 26, 1975; lowest water level 10.51 ft (3.203 m), Nov. 27, 1974. Records available: 1973-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	10.39	10.29	9.30	7.81	7.29	6.90	6.77	7.82	7.34	8.38	9.27
10	---	10.39	8.83	8.11	8.10	7.61	7.25	7.16	7.72	7.66	8.44	9.37
15	---	10.45	9.37	7.97	8.31	7.70	7.48	7.37	7.51	7.02	8.62	9.36
20	---	10.50	8.40	8.10	7.72	6.02	7.64	7.55	7.87	7.49	8.73	9.30
25	10.24	10.49	8.76	8.40	6.50	6.54	7.53	7.39	7.97	7.88	8.88	6.59
EOM	10.32	10.49	9.18	7.51	6.89	6.97	7.61	7.65	7.08	8.20	9.00	6.24

403429075392401. Local number Le-644. Charles J. Haaf. Haafsville. Drilled unused artesian well in Beekmantown Formation, diam 10 in (25 cm), depth 184 ft (56.1 m), cased to 63 ft (19.2 m). Lsd 470 ft (143 m) above msl. MP top of plywood cover, 1.45 ft (44 cm) above lsd. Highest water level 36.65 ft (11.170 m), June 27, 1975; lowest water level 93.42 ft (28.474 m), Feb. 6, 1971. Records available: 1971-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	62.52	63.80	66.81	61.31	53.18	47.66	43.14	46.50	49.81	51.38	50.79	55.25
10	62.87	64.29	65.08	61.30	53.03	47.97	42.81	47.21	49.62	52.09	50.96	56.09
15	63.19	64.68	63.96	59.96	53.24	48.49	43.30	47.70	49.50	51.54	51.87	56.35
20	62.95	65.18	61.62	59.13	52.91	48.34	44.09	48.35	50.14	50.81	52.53	57.00
25	63.11	65.88	60.98	58.51	51.36	44.37	45.16	48.73	50.76	49.90	53.25	54.80
EOM	63.60	66.14	61.39	55.06	48.44	44.37	45.89	49.19	50.98	50.37	54.09	49.96

403226075343001. Local number Le-860. Paul Knepper. Lower Macungie Township. Drilled observation artesian well in dolomite of Allentown Formation, Cambrian age, diam 6 in (15 cm), depth 100 ft (30.5 m), cased to 58 ft (17.7 m). Lsd 358 ft (109 m) above msl. MP top of casing, 2.00 ft (61 cm) above lsd. Highest water level 1.28 ft (39 cm), June 27, 1972; lowest water level 10.46 ft (3.188 m), July 23, 1969. Records available: 1967-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.09	5.49	5.91	4.86	3.52	3.15	2.41	3.39	3.80	4.01	3.54	4.33
10	5.21	5.60	4.72	4.32	3.72	3.35	2.76	3.62	3.43	3.51	3.63	4.48
15	5.30	5.60	4.96	4.31	3.87	3.48	2.99	3.71	3.46	2.87	3.81	4.40
20	5.25	5.68	4.40	4.12	3.51	2.50	3.24	3.82	3.65	3.15	3.95	4.50
25	5.33	5.79	4.57	4.12	2.71	2.64	3.23	3.67	3.80	3.26	4.03	2.40
EOM	5.45	5.88	4.75	3.43	2.81	2.96	3.45	3.76	3.86	3.58	4.19	2.97

MONROE COUNTY

411230075234901. Local number Mo-190. U.S. Geological Survey. Tobyhanna State Park. Drilled observation artesian well in sandstone of Catskill Formation, Devonian age, diam 6 in (15 cm), depth 98 ft (29.9 m), cased to 59 ft (17.9 m). Lsd 1,960 ft (597 m) above msl. MP top of plywood cover, 2.57 ft (78 cm) above lsd. Highest water level 7.09 ft (2.161 m), April 14, 1970; lowest water level 15.15 ft (4.617 m), Oct. 14, 1970. Records available: 1967-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.16	11.43	10.85	10.27	9.38	8.85	8.18	9.13	10.08	10.96	11.55	12.74
10	10.57	11.70	8.90	9.79	10.00	9.13	8.83	8.86	9.59	11.37	11.72	12.87
15	10.90	10.90	8.98	8.42	10.44	9.48	9.33	7.58	9.35	10.92	12.07	12.87
20	10.83	10.65	9.10	---	10.30	8.53	9.73	8.27	9.70	10.57	12.38	12.89
25	10.99	10.43	9.42	9.47	8.32	7.83	9.76	9.17	10.36	10.45	12.49	12.24
EOM	11.29	10.68	9.84	8.86	8.05	8.36	9.77	9.82	10.44	11.03	12.49	10.54

400808075210401. Local number Mg-225. Norristown State Hospital. Steiger Street, Norristown. Drilled unused artesian well in sandstone of Stockton Formation, Triassic age, diam 12 in (30 cm), depth 300 ft (91.4 m). Lsd 165 ft (50.3 m) above msl. MP top of casing, 0.75 ft (23 cm) above lsd. Highest water level 12.62 ft (3.846 m), July 15, 1975; lowest water level 60.23 ft (18.364 m), Nov. 5, 1963. Records available: 1956-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	26.27	28.87	24.70	18.95	17.52	17.05	18.16	19.31	17.62	17.09	22.36
10	27.48	26.73	26.98	23.44	19.08	18.20	17.82	18.41	18.77	17.17	16.28	23.40
15	27.37	27.20	26.78	21.86	19.44	18.63	18.57	18.65	16.95	12.62	22.24	25.40
20	25.90	27.55	24.25	---	18.96	17.50	19.36	18.95	17.50	14.40	20.30	28.00
25	25.62	28.20	24.29	18.90	17.93	15.77	19.89	19.50	18.16	13.49	20.30	27.42
EOM	26.00	28.83	24.67	18.72	16.96	16.37	18.09	20.10	17.12	21.33	21.46	26.20

401310075181702. Local number Mg-884. Merch, Sharp, and Dohme, Inc. West Point. Upper Gwyned Township. Drilled unused artesian well in shale of Brunswick Formation, Triassic age, diam 10 in (25 cm) to 12 in (30 cm), depth 600 ft (183 m). Lsd 351 ft (107 m) above msl. MP top of casing, 1.30 ft (40 cm) above lsd. Highest water level 38.40 ft (11.704 m), June 30, 1972; lowest water level 93.17 ft (28.398 m), Oct. 20, 1966. Records available: 1966-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	69.52	68.77	70.33	67.10	65.21	63.47	62.47	62.17	61.81	60.83	60.39	62.25
10	69.41	69.11	70.21	66.88	65.12	63.39	62.32	62.19	62.06	60.74	60.88	62.59
15	68.94	69.59	70.71	66.64	64.73	63.73	62.36	62.10	61.27	60.79	61.75	63.13
20	68.13	69.52	69.76	---	64.20	63.13	62.77	61.75	61.15	60.36	61.91	63.70
25	68.33	69.96	69.17	66.00	63.50	62.67	62.86	61.90	61.04	60.09	62.22	63.56
EOM	68.55	70.31	68.07	65.87	63.61	62.55	62.57	61.93	60.94	60.02	62.31	63.05

NORTHAMPTON COUNTY

403618075203801. Local number Np-85. City of Bethlehem. Drilled observation artesian well in dolomite of Tomstown Formation, Cambrian age, diam 12 in (30 cm), depth 344 ft (105 m), cased to 73 ft (22.3 m). Lsd 230 ft (70.1 m) above msl. MP top of casing, 1.00 ft (30 cm) above lsd. Highest water level 0.33 ft (10 cm), Sept. 24, 1975; lowest water level 3.99 ft (1.216 m), Feb. 19, 1971. Records available: 1969-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	3.41	3.49	3.39	2.77	2.71	2.32	2.85	3.33	---	---	---
10	3.40	3.50	---	2.53	2.95	2.94	2.71	3.15	3.08	---	---	---
15	3.44	3.41	---	2.86	3.16	2.94	2.92	3.02	2.82	---	---	---
20	3.28	3.49	3.08	2.81	2.53	1.96	3.09	3.19	3.00	---	---	---
25	3.40	3.52	3.29	2.96	1.83	2.51	2.89	3.30	---	---	---	---
EOM	3.45	3.58	3.41	2.52	2.38	2.84	3.12	3.32	---	---	---	---

395342075102101. Local number Ph-12. U.S. Naval Base. Barracks and East 4th Street, Philadelphia. Drilled observation artesian well in sand of Raritan Formation ("middle aquifer"), Cretaceous age, diam 8 in (20 cm), depth 110 ft (34 m), cased to 94 ft (28.7 m), screened 94-104 ft (28.6-31.7 m). Lsd 10.00 ft (3.05 m) above msl. MP top of casing, 1.80 ft (55 cm) above lsd. Mean daily fluctuation caused by tidal loading, 0.20 ft (6 cm). Highest water level 16.55 ft (5.044 m), Nov. 8, 1972; lowest water level 39.60 ft (12.070 m), July 20, 1955. Records available: 1944-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.07	19.19	19.42	19.16	18.46	18.67	18.52	17.84	17.51	---	17.26	17.81
10	18.88	19.25	19.00	18.84	18.74	18.88	18.30	18.10	---	---	17.52	18.09
15	18.74	19.31	19.21	18.88	18.52	18.82	18.21	17.94	---	---	17.64	18.08
20	19.21	18.87	18.97	---	18.38	18.32	18.38	17.83	---	---	17.81	17.38
25	19.23	19.20	18.98	18.25	17.84	17.87	18.19	18.15	---	17.16	17.61	17.35
EOM	19.40	19.64	19.22	18.86	18.27	18.32	18.33	17.71	---	17.50	17.86	17.18

SCHUYLKILL COUNTY

404708076070701. Local number Sc-296. Locust Lake State Park. Drilled observation artesian well in Mauch Chunk Formation, Lower Pennsylvanian age, diam 6 in (15 cm), depth 242 ft (73.8 m), Lsd 1,290 ft (393 m) above msl. MP top of casing, 2.30 ft (70 cm) above lsd. Highest water level 32.32 ft (9.851 m), Aug. 27, 1975; lowest water level 51.01 ft (15.547 m), Sept. 19, 1975. Records available: 1975.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5										45.30	43.95	50.14
10										46.43	46.35	50.51
15										44.69	47.71	50.71
20										43.30	48.70	50.13
25										39.45	49.33	45.34
EOM										39.86	49.46	38.68

WAYNE COUNTY

414333075153201. Local number Wn-64. U.S. Geological Survey. State Game Land No. 159. Drilled artesian observation well in sand and gravel of glacial outwash, Quarternary age, diam 6 in (15 cm), depth 52 ft (15.8 m), cased to 52 ft (15.8 m). Lsd 1,330 ft (405 m) above msl. MP top of plywood cover, 2.57 ft (78 cm) above lsd. Highest water level 7.88 ft (2.401 m), Nov. 17, 1972; lowest water level 31.95 ft (9.738 m), Nov. 4, 5, 1970. Records available: 1967-75.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.46	28.23	26.58	26.81	25.36	25.72	24.26	25.19	26.65	28.07	27.98	---
10	28.21	27.68	25.61	26.86	26.14	25.89	24.64	23.59	24.86	28.59	28.34	---
15	28.42	26.53	25.60	25.45	26.82	25.99	25.24	23.17	23.96	29.03	28.84	---
20	28.17	25.98	25.81	---	27.24	25.20	25.89	23.38	24.62	29.18	29.21	---
25	27.99	25.99	26.24	26.84	26.20	24.12	26.18	24.80	26.21	28.41	29.47	28.76
EOM	28.18	26.36	26.40	25.51	25.53	24.54	25.98	26.22	27.40	27.37	---	26.97

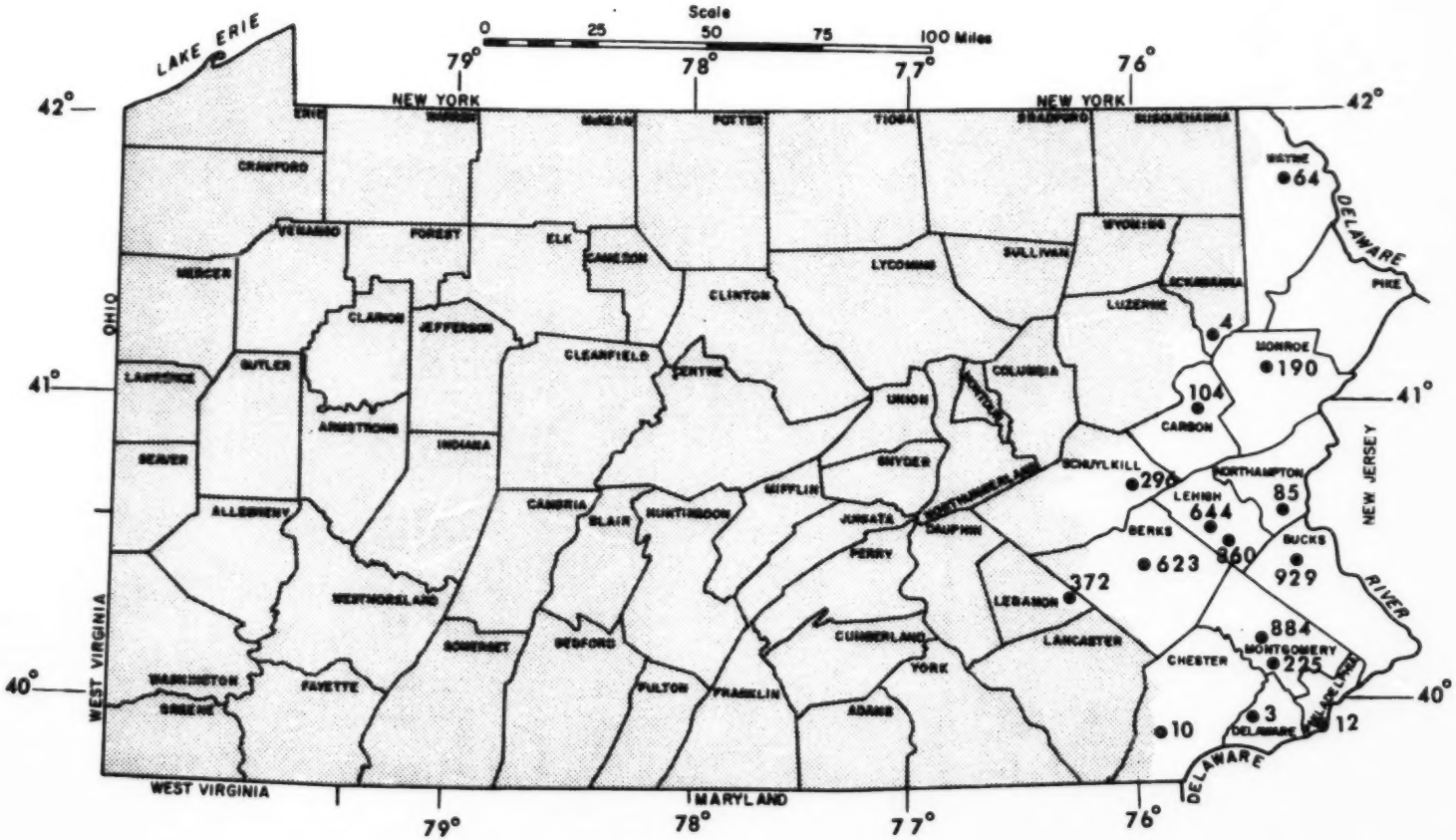

Figure 10.--Map showing locations of ground-water level wells.

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